

10/009152

1/39

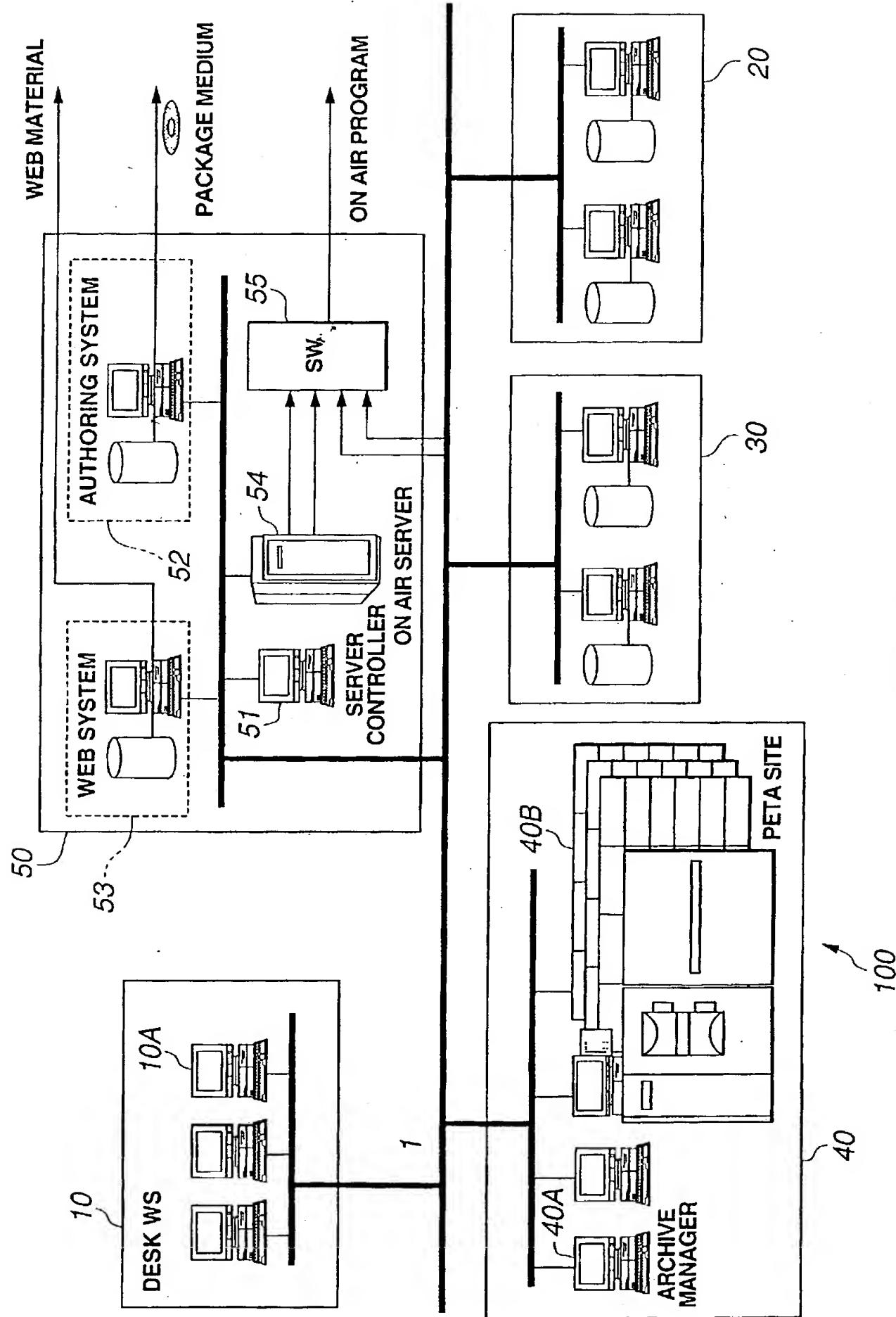


FIG.1

10/009152

2/39

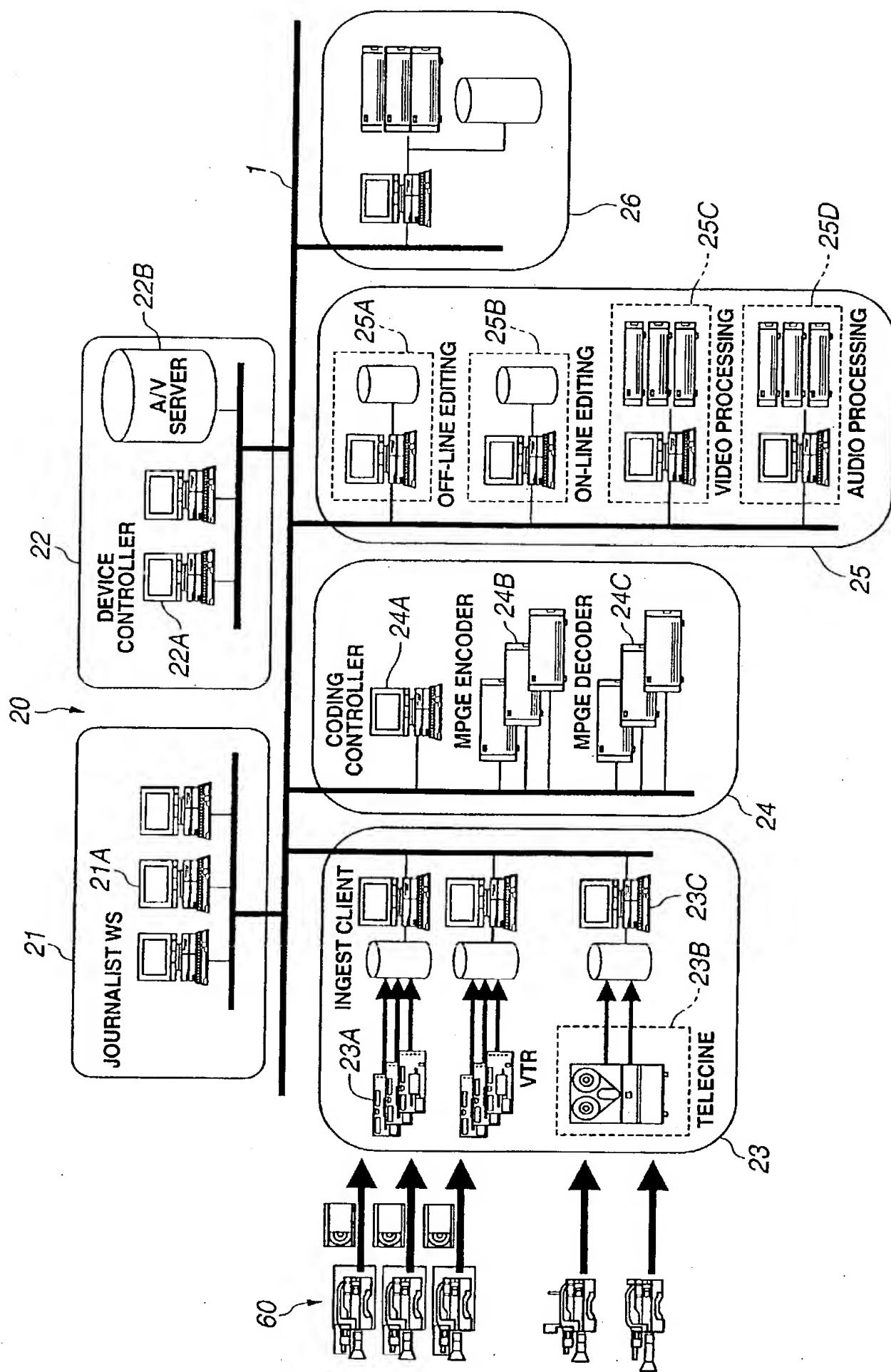


FIG.2

10/009152

3/39

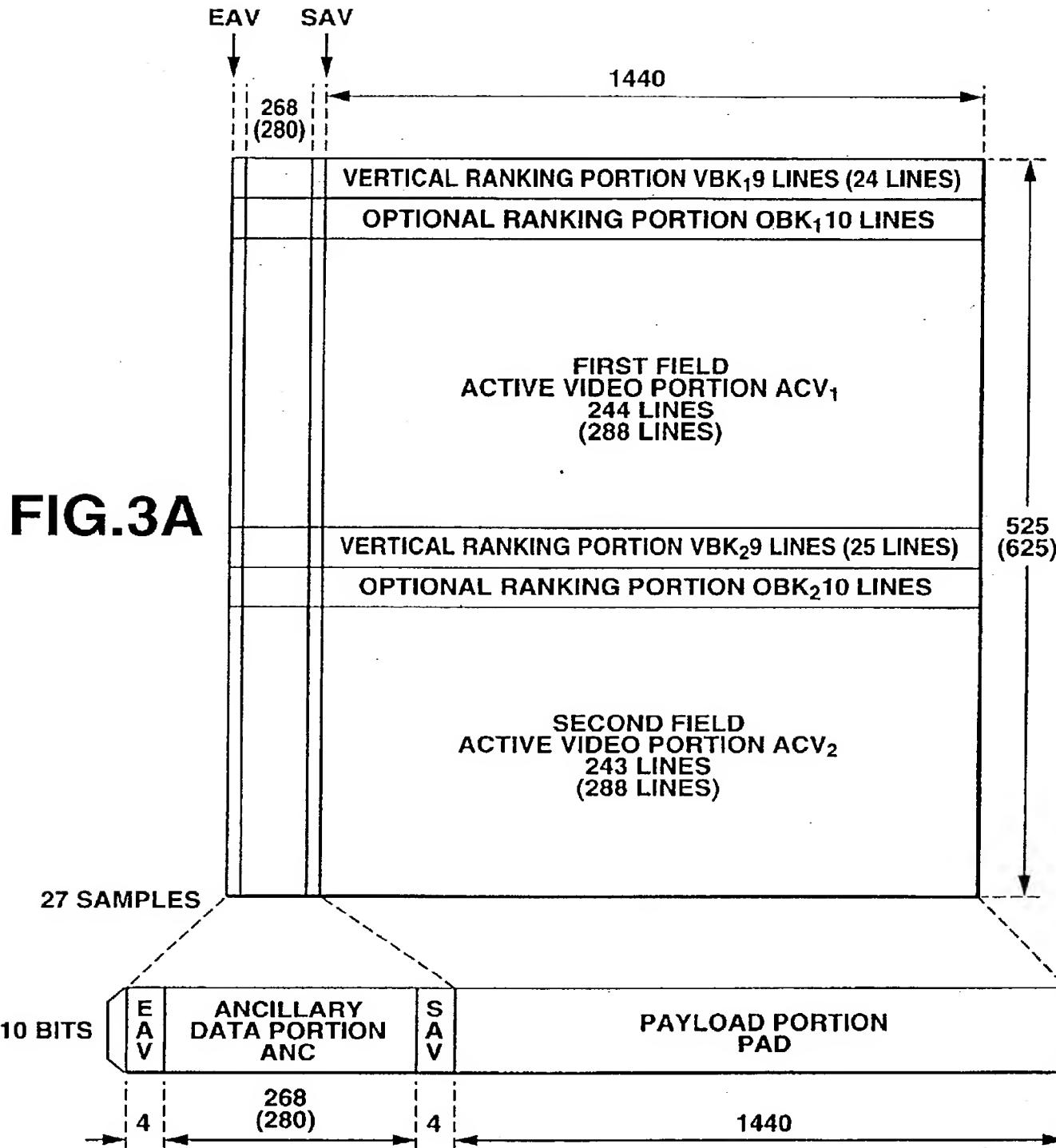


FIG.3B

10,009152

4/39

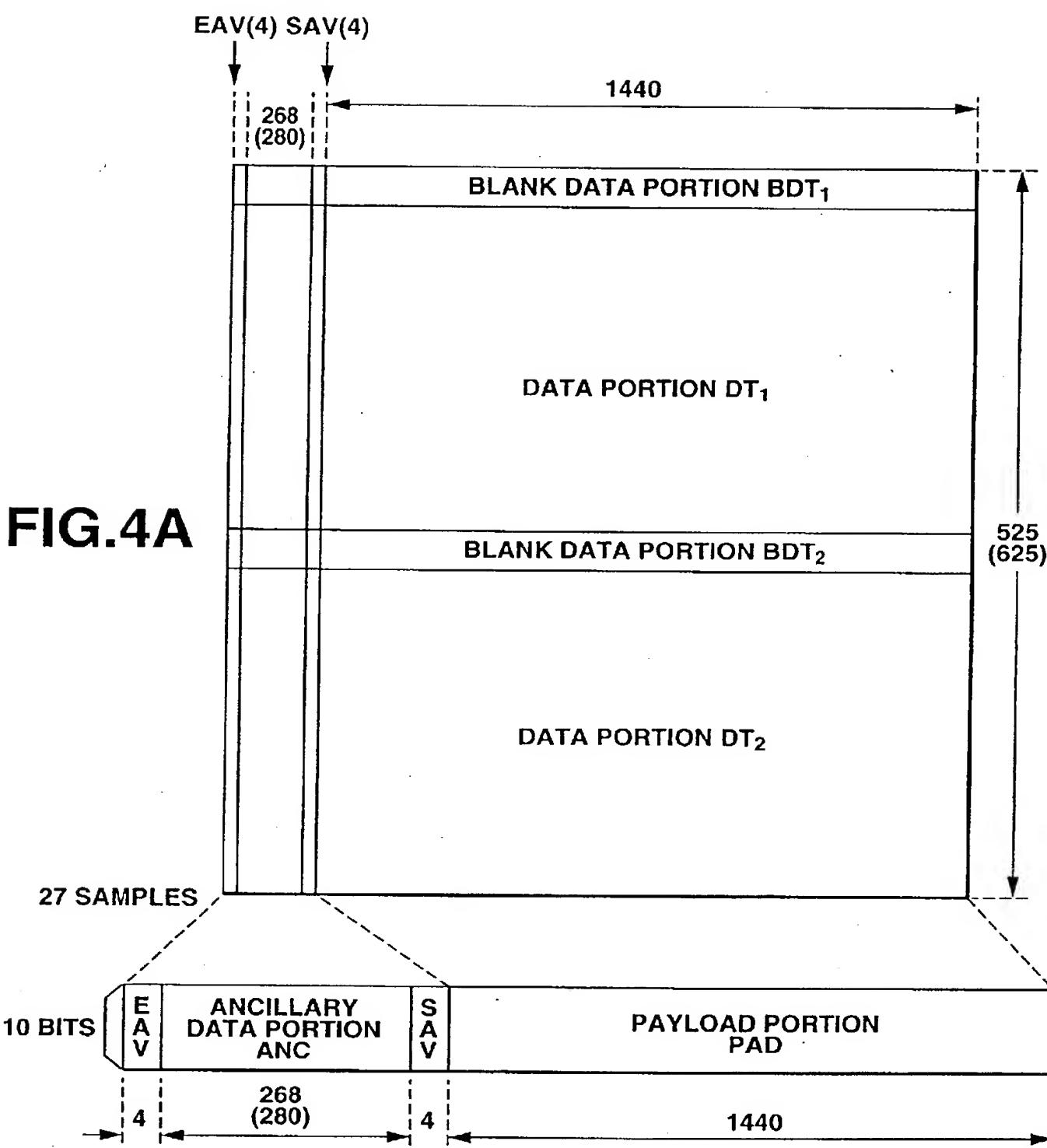


FIG.4B

10/009152

5/39

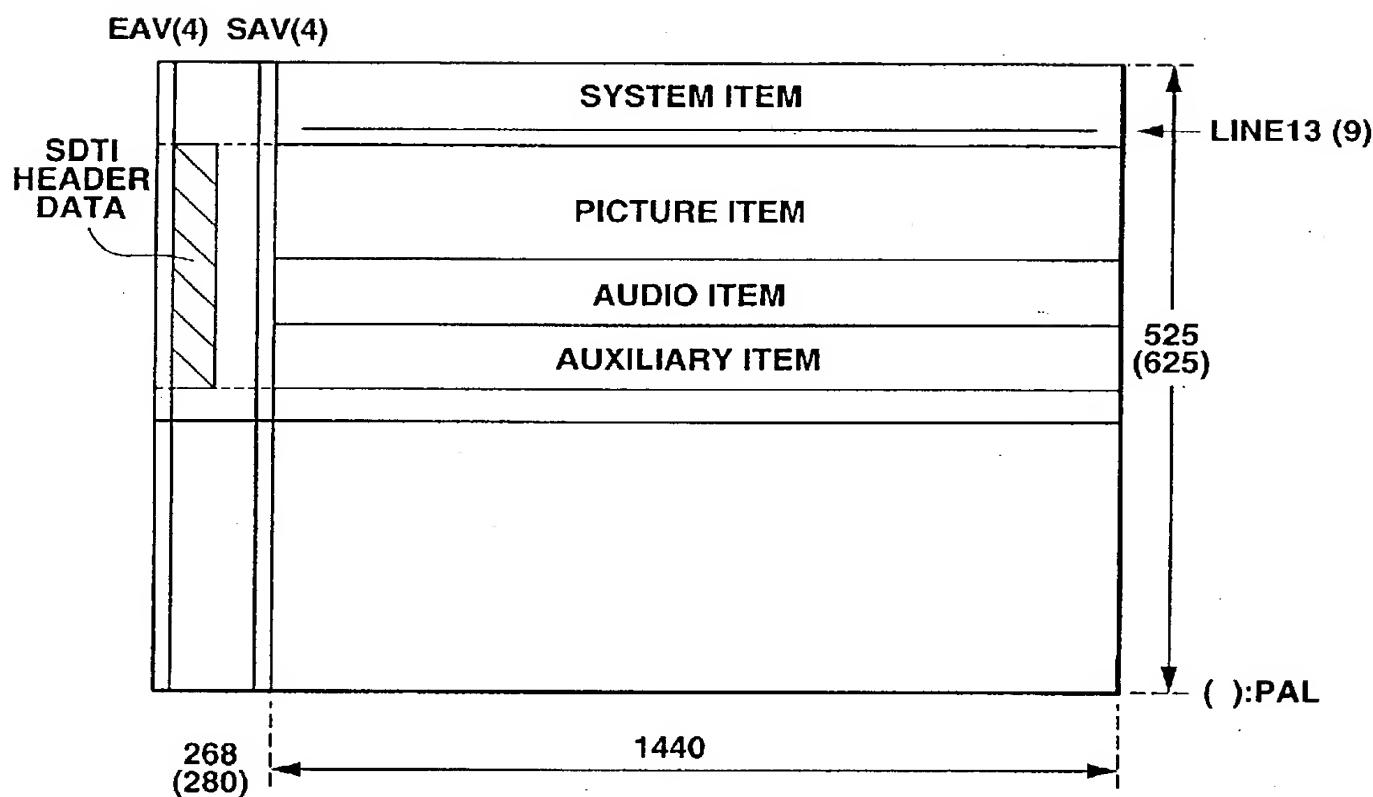


FIG.5

10/009152

6/39

KLV	UNIVERSAL LABEL DATA KEY	VALUE LENGTH	VALUE
16 BYTES	VARIABLE	VARIABLE LENGTH	

FIG.6

10/009152

7/39

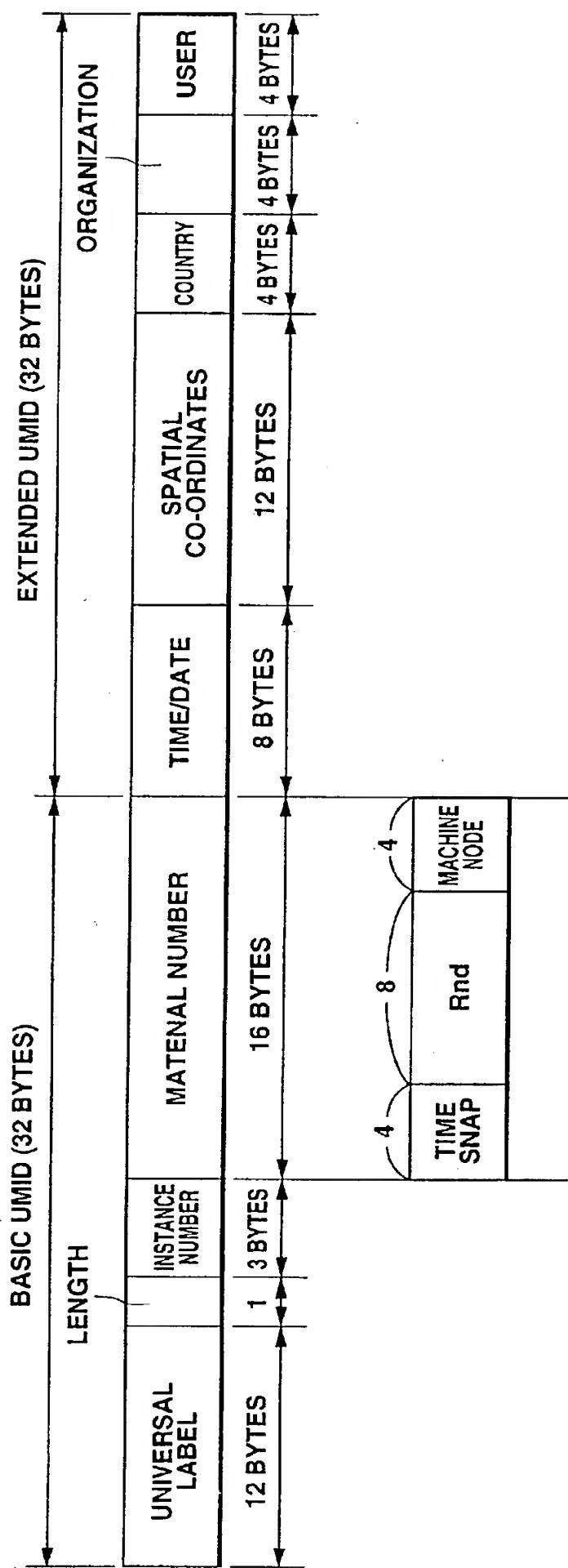


FIG.7

10/009152

8/39

SHMPTE Label	Line #	Data Element Name	Japanese Names	Data Element Definition	Type	Line #	Value Length	Value Range	Node/Leaf Document
0	1	01 00 00 00 00 00 00 00 00 00	IDENTIFIERS & LOCATORS	Class 1 ID and Locator	SHMPTE				Node
1	2	01 00 00 00 00 00 00 00 00 00	Globally Unique Identifiers	Globally Unique ID	SHMPTE				Node
2	3	01 01 01 02 01 01 01 01 01 01	UMID Video	UMID Video	SHMPTE				Node
3	4	01 01 02 02 01 01 01 01 01 01	UMID Audio	UMID Audio	SHMPTE	As per standard			Leaf
4	5	01 03 03 04 01 01 01 01 01 01	UMID Data	UMID Data	SHMPTE	As per standard			Leaf
5	6	01 04 01 10 00 00 00 00 00 00	UMID System	UMID System	SHMPTE	As per standard			Leaf
6	7	01 10 00 00 00 00 00 00 00 00	International broadcasting organisation Identifiers	International Broadcasting Station ID	SHMPTE	As per standard			Leaf
7	8	01 10 01 00 00 00 00 00 00 00	Organisation Identifiers	Organisation Class	SHMPTE	As per standard			Node
8	9	01 10 03 00 00 00 00 00 00 00	Programme Identifiers	Program ID	SHMPTE	As per standard			Leaf
9	10	01 10 03 01 00 00 00 00 00 00	UPID	UPID	SHMPTE	As per standard			Leaf
10	11	01 10 03 02 00 00 00 00 00 00	UPN	UPN	SHMPTE	As per standard			Leaf
11	12	01 10 04 00 00 00 00 00 00 00	Physical Media Identifiers	Media ID	SHMPTE				Node
12	13	01 10 04 01 00 00 00 00 00 00	Tape Identifiers	Same as 04	SHMPTE				Node
13	14	01 10 04 01 01 00 00 00 00 00	EBU ID No	EBU ID No	SHMPTE	As per standard			Leaf
14	15	01 11 00 00 00 00 00 00 00 00	ISO ID	Unique Identifier (ISAN)	SHMPTE				Node

FIG.8

10/009152

8/1/39

10/009152

9/39

SNPTE Label	SNPTE Label	Data Element Name	Japanese Names	Data Element Definition	Type	Value Length	Value Range	Node/Leaf	Defining Document
3: 01	01	15 02 00 00 00	GUID and SNPTE Label Identifiers	SNPTE Label	Identifier containing SNPTE label or 16 byte GUID	REF		Node	
35: 01	01	15 02 01 00 00	ModelID	ID of Metadata Object	REF			Leaf	W25.52
36: 01	01	15 02 02 00 00	Definition Object Identifiers	Details of Object ID	REF			Node	
37: 01	01	15 02 02 01 00	Definition Object Identification	Details of Object ID	REF			Leaf	W25.52
38: 01	01	15 02 02 00 00	GeneratedGUID	Version Display of Container	AUD	16 bytes		Leaf	
39: 01	01	13 00 00 00 00	CRRI Handles	CRRI	Corporation or National Research Initiatives (CRRI) Identifier(s)	REF		Node	
40: 01	01	15 00 00 00 00	Device Identifiers	Device ID	REF			Node	
41: 01	01	15 01 00 00 00	Device Description	Device Designation	REF			Node	
42: 01	01	16 02 00 00 00	Device Make	Device Preparation	REF			Leaf	
43: 01	01	15 03 00 00 00	Device Model	Device Model	REF			Leaf	
44: 01	01	15 04 00 00 00	Device Serial Number	Device Serial No	REF			Leaf	
45: 01	02	00 00 00 00 00	Globally Unique Locators	Globally Unique Locator	REF			Nodes	
46: 01	02	01 00 00 00 00	URL locations (and 'Identifiers')	Unique Resource ID	REF			Node	
47: 01	02	01 01 00 00 00	URL	Unique Resource Locator	REF			Type Node	
48: 01	02	01 01 00 00 00	URL	Unique Resource Locator	REF	127 bytes max		Leaf	

FIG.9

10/009152

9/1/39

Contains a Unicode URL String								Unicode String	variable			Leaf	1425.52		
33	01	02	01	01	02	00	00	Unicode URL String	REF						
50	01	02	01	02	00	00	00	PURL	Persistent URL	Persistent Universal Resource Locator	REF	ISO 7-bit char	127 bytes max	Leaf	Leaf
51	01	02	01	03	00	00	00	URN	Resource Name	Unique Resource Name	REF	ISO 7-bit char	127 bytes max	Leaf	Leaf
52	01	02	02	00	00	00	00	Media locators	Media Locator	Locators for a digital media, data, metadata file etc.	REF	ISO 7-bit char	127 bytes max	Leaf	Leaf
53	01	03	01	00	00	00	00	Local Identifiers	Local ID	Identifier unique to the local context	REF			Node	Node
54	01	03	01	01	00	00	00	Administrative Identifiers	Administration ID	Identifiers relating to Business and Administration	REF			Node	Node
55	01	03	01	01	01	00	00	Transmission Identifier	Transmission ID	Identifier for transmission control	REF	ISO 7-bit char	32 chars max	Leaf	Leaf
56	01	03	01	02	00	00	00	Archive Identifier	Archive ID	Identifier for archival purposes	REF	ISO 7-bit char	32 chars max	Leaf	Leaf
57	01	03	01	01	03	00	00	Item ID	Item ID	Identifier of a content item	REF	ISO 7-bit char	32 chars max	Leaf	Leaf
58	01	03	01	01	04	00	00	Accounting Reference	Reference No for Accounting Purposes	Reference number for accounting purposes	REF	ISO 7-bit char	32 chars max	Leaf	Leaf
59	01	03	01	01	05	00	00	Traffic	Transmission Billing	Identifier for transmission management and billing	REF	ISO 7-bit char	32 chars max	Leaf	Leaf
60	01	03	01	02	00	00	00	Physical Media Identifiers	Same as 13	Organizationally given identifiers for physical media	REF			Node	Node
61	01	03	01	02	01	00	00	Film codes	Film Code	Organizationally given identifiers for film	REF			Node	Node
62	01	03	01	02	01	01	00	Reel/Roll number	Reel No	An organizationally given number for a film reel or roll.	REF	ISO 7-bit char	32 chars max	Leaf	Leaf
63	01	03	01	02	02	00	00	Tape Identifiers	Tape ID	Organizationally given identifiers for tape	REF			Node	Node
64	01	03	01	02	02	01	00	Tape number	Tape No	An organizationally given number for a tape.	REF	ISO 7-bit char	32 chars max	Leaf	Leaf
65	01	03	02	00	00	00	00	Object Identifiers	Object ID	Object identifiers	REF			Node	Node
66	01	03	02	01	00	00	00	UND	Locally Unique ID	A 4 byte locally unique ID	REF	Uhn2	4 bytes	Leaf	Leaf

10/009152

10/39

SNPE Label	Data Element Name	Japanese Name	Data Element Definition	Type	Value Length	Value Range	Node/Leaf	Defining Document
57 01 03 02 00 00 00 SlotID	Slot ID	Specifies an identifier local to be metadata object.	REF	1632	4 bytes		Leaf	W25.52
58 01 03 02 03 00 00 00 Object Identifier	Object Text ID	Identifies object by local name	REF				Node	
69 01 03 02 03 01 00 00 Mob_Name	Mob Name	Identifies the mob by name	REF	Unicode String	variable		Leaf	W25.52
70 01 03 02 03 00 00 00 SlotName	Slot Name	Identifies the slot by name	REF	Unicode String	variable		Leaf	W25.52
71 01 03 02 03 03 00 00 DefinitionObject_Name	Object Name	Specifies name of definition object	REF	Unicode String	variable		Leaf	W25.52
72 01 04 05 00 00 00 00 Local Locators	Local Locators	Local location information for finding metadata location	REF				Node	
73 01 04 05 01 00 00 00 LocalMedia Locators	Local Media Locators	Locators for a digital media, data, metadata file etc	REF				Node	
74 01 04 05 01 03 00 00 Local File Path	Local File Path	The path to a digital media, data, metadata etc file	REF	ISO 7-bit char	127 bytes max		Leaf	
75 01 04 05 03 00 00 00 Film Locators	Film Locators	Location information for film	REF				Node	
76 01 04 05 03 01 00 00 Edge Code	Edge Code	The edge code on the film effect frames	REF	ISO 7-bit char	32 chars max		Leaf	
77 01 04 05 03 02 00 00 Frame Code	Frame Code	Unique frame number for film	REF	ISO 7-bit char	32 chars max		Leaf	
78 01 04 05 03 03 00 00 Key code	Key Code	Machine readable version of Frame Code	REF	1632	4 bytes		Leaf	
79 01 04 05 03 04 00 00 Ink number	Ink No	Ink number	REF	ISO 7-bit char	32 chars max		Leaf	
80 01 04 05 03 05 00 00 EdgeCode Start	Code At The Beginning of The Segment	Specifies the edge code at the beginning of the segment	REF	Position	bytes		Leaf	W25.52
81 01 04 05 00 00 00 00 Proxy Locators	Proxy Locators	Local archival location information for key frames, key sounds, key text etc	REF				Node	

FIG.10

10/009152

10/1/39

32	01	04	10	01	00	00	00	00	Key Text	Proxy Key Text	Local archival location information for key text	ISO 7-bit char string	127 bytes max	Leaf
33	01	04	10	02	00	00	00	00	Key Frame	Proxy Key Frame	Local archival location information for key frames	ISO 7-bit char string	127 bytes max	Leaf
34	01	04	10	03	00	00	00	00	Key Sound	Proxy Sound	Local archival location information for key sounds	ISO 7-bit char string	127 bytes max	Leaf
35	01	04	10	04	00	00	00	00	Key Data	Key Data	Local archival location information for key data or program	ISO 7-bit char string	127 bytes max	Leaf
35	01	04	11	00	00	00	00	00	Free-form, human readable locator	Human Writing	Local locator in free text form	ISO 7-bit char string	127 bytes max	Leaf
37	01	04	11	01	00	00	00	00	Text creator Name	Human Writing Name	Contains a human readable Unicode text locator	ISO 7-bit char string	variable	Node
38	01	05	01	00	00	00	00	00	Titles	Title	Title metadata relating to productions	ISO 7-bit char string	variable	Node
39	01	05	01	01	00	00	00	00	Title kind	Title Kind	Kind of title, i.e., project, series, item, programme, working, original, item, episode, element, scene, stock etc	ISO 7-bit char string	127 bytes max	Leaf
39	01	05	01	02	00	00	00	00	Main title	Main Title	The main title	ISO 7-bit char string	127 bytes max	Leaf
41	01	05	01	03	00	00	00	00	Secondary title	Secondary Title	The secondary title	ISO 7-bit char string	127 bytes max	Leaf
42	01	05	01	04	00	00	00	00	Series number	Series No	The alphanumeric series number	ISO 7-bit char string	32 chars max	Leaf
43	01	05	01	05	00	00	00	00	Episode Number	Episode No	The alphanumeric episode number	ISO 7-bit char string	32 chars max	Leaf
44	01	05	01	06	00	00	00	00	Scene number	Scene No	The alphanumeric scene number	ISO 7-bit char string	32 chars max	Leaf
45	01	05	01	07	00	00	00	00	Take Number	Take No	Take number of the instance of the shot	ISO 7-bit char string	2 bytes	Leaf
46	01	10	00	00	00	00	00	00	Unique IPR Identifiers	Owner	Unique IDs allocated by IP Rights organisations	ISO 7-bit char string	variable	Node
47	01	10	01	00	00	00	00	00	[P] [SUSAC/CISAC]	Owner by CISAC	IP Identifiers allocated by CISAC	ISO 7-bit char string	variable	Node
48	01	10	01	01	00	00	00	00	Natural Person / legal entity	Natural Person of Legal Entity ID	Natural person or legal entity ID in the Interested Parties system	ISO 7-bit char string	variable	Leaf
49	01	10	02	00	00	00	00	00	AGICCA/PAA	ID by AGICCA	Unique identifiers allocated by AGICCA	ISO 7-bit char string	variable	Leaf

10/009152

11/39

SN	SNREF Label	Data Element Name	Japanese Names	Data Element Definition	Length	Type	Value Range	Node/Leaf	Defining Document
101	01 02 01 00 00 00	AGICOA/MPAA Identifier	AGICOA ID	The AGICOA ID.		REF	As per standard	Leaf	
101	02 00 01 00 00 00	Administration	Class 2 Administration	Class 2 is used for administrative and business related metadata		REF		Node	
102	01 01 00 00 00 00	Supplier	Supplier	Details of the content supplying organization		REF		Node	
103	02 01 00 00 00 00	Source Organization	Supplying Organisation	The name of the content supplying organization		REF	ISO 7-bit char string	127 bytes max	Leaf
104	02 01 02 00 00 00	Supply contract number	Contract ID	The alphanumeric number for the contract for the supply of content		REF	ISO 7-bit char string	32 bytes max	Leaf
105	02 01 03 00 00 00	Original Producer Name	Original Content Producer	The name of the original content Producer.		REF	ISO 7-bit char string	127 bytes max	Leaf
106	02 02 01 02 00 00	Product	Product	Abstract information about the media product		REF		Node	
107	02 01 02 01 00 00	Total number of Episodes in a Series	Total Number of Episodes	Total number of Episodes in Series		REF	UTF-16	2 bytes	Leaf
108	02 05 00 00 00 00	Rights	Rights	Rights metadata		REF		Node	
109	02 05 01 00 00 00	Copyright	Copyright	Copyright metadata		REF		Node	
110	02 05 01 00 00 00	Copyright Status	Evaluation of Copyright Status	Executive evaluation of copyright status		REF	ISO 7-bit char string	127 bytes max	Leaf
111	05 01 02 00 00 00	Copyright Owner	Copyright Owner	The name of the person/organisation who owns the copyright.		REF	ISO 7-bit char string	127 bytes max	Leaf
112	05 02 00 00 00 00	Intellectual Rights	Intellectual Property Rights	Intellectual property rights metadata other than copyright		REF		Node	
113	05 02 01 00 00 00	IP Type	Type of Intellectual Property Rights	Type of Intellectual Property Rights		REF	ISO 7-bit char string	32 bytes max	Leaf
114	05 02 02 00 00 00	IP Right	Definition of Intellectual Property Rights	A definition of what use can be made of an IP		REF	ISO 7-bit char string	32 bytes max	Leaf

FIG.11

10/009152

11/1/39

15	02	05	02	03	00	00	00	Legal personalities	Legal Representative	A person or body in whom legal responsibility can be vested	REF			Note
116	02	05	02	03	01	00	00	Rights Owner	Owner	A definition of who or what entity can exercise an IP right	REF	ISO 7-bit char string	127 bytes max	Leaf
117	02	05	02	03	02	00	00	Rights Management Authority	Entity That Manages The Rights	Entity that manages the rights for access to the material	REF	ISO 7-bit char string	127 bytes max	Leaf
118	02	05	02	03	03	00	00	Interested parties	Who or What Entity Has An Interest	A definition of who or what entity has an interest in the right being exercised	REF	ISO 7-bit char string	127 bytes max	Leaf
119	02	05	02	04	00	00	00	IP Right options	IP Ancillary Information	A definition of what options can be exercised within the framework of using an IP Right	REF			Note
120	02	05	02	04	01	00	00	Maximum Number Of Usages	Maximum Number of Usages or Repeats	Maximum number of usages or repeats	REF	UH16	2bytes	Leaf
121	02	05	02	04	02	00	00	License options	License Options	Options for prolongation or renewal of license	REF	ISO 7-bit char string	127 bytes max	Leaf
122	02	05	02	00	00	00	00	Financial Information	Financial Information	Details of payments, costs, income money and other considerations	REF			Note
123	02	06	01	00	00	00	00	Currency	Currency	The currency of the transaction	REF			Type Note
124	02	05	01	00	00	00	00	Currency		The currency of the transaction	REF	ISO 7-bit char	4 chars max See type dictionary	Leaf
125	02	05	02	00	00	00	00	Payments and costing	Payment and Costing	Payments and costing information	REF			Note
126	02	05	02	01	00	00	00	Royalty Financial Information	Royalty Financial Information	Royalty payment and other information	REF	ISO 7-bit char string	127 bytes max	Leaf
127	02	05	03	00	00	00	00	Income	Income Information	Income information	REF			Note
128	02	05	03	01	00	00	00	Royalty Financial Information	Royalty Financial Information	Royalty income and other information	REF	ISO 7-bit char string	127 bytes max	Leaf
129	02	07	00	00	00	00	00	Permitted Access	Permitted Access	Details of permitted access to the media product	REF			Note
130	02	07	01	00	00	00	00	Restrictions on Use	Access Level	Identifies the type or level of restriction applied to the media product	REF	ISO 7-bit char string	32 bytes max	Leaf
131	02	08	00	00	00	00	00	Security	Security	Content encryption/decryption information	REF			Note
132	02	03	01	00	00	00	00	System Access	Degree of Technical Access	Details of permitted access to the technical system or platform	REF			Note

10,009152

12/39

Element ID	SuperLabel	Data Element Name	Japanese Names	Data Element Definition			Value Length	Value Range	Type Node	Node/Leaf	Defining Document
				z	Type	z					
135.02	08.01.01.00.00.00	Username	User Name	Username in a domain	REFI					Type Node	
135.02	08.01.01.00.00.00	Username	User Name	Username in a domain	REFI	ISO 7-bit char max	16 bytes max		Leaf		
135.02	08.01.02.00.00.00	Password	password	Administrative password for access to the system	REFI				Type Node		
135.02	08.01.02.00.00.00	Password	password	An administrative password for access to the system	REFI	ISO 7-bit char max	16 bytes max		Leaf		
137.02	08.05.00.00.00.00	Movie Film		Content encryption decryption information specifically applying to the movie industry	REFI				Node		
138.02	08.05.01.00.00.00	Scrambling key kind	Scrambling Key Kind	The programme decryption key type	REFI				Type Node		
139.02	08.05.01.00.00.00	Scrambling key kind	Scrambling Key Kind	The programme decryption key type	REFI	ISO 7-bit char /	4 chars max See types dictionary		Leaf		
140.02	08.05.02.00.00.00	Scrambling key value	Scrambling Key Value	The programme decryption key value	REFI	Uni	64 bytes max		Leaf		
141.02	10.00.00.00.00.00	Publication Outlet	Publication Outlet	The content publication outlet eg Broadcast, Internet etc	REFI				Node		
142.02	10.01.00.00.00.00	Broadcast	Broadcast Outlet Information	Broadcast Outlet Information	REFI				Node		
143.02	10.01.01.00.00.00	Broadcaster	Broadcast	The broadcasting organization	REFI				Node		
144.02	10.01.01.00.00.00	Name	Name	Name of the broadcasting organization	REFI	ISO 7-bit char string	32 bytes max		Leaf		
145.02	10.01.02.00.00.00	Channel	Channel	Broadcast channel	REFI	ISO 7-bit char string	32 bytes max		Leaf		
146.02	10.01.03.00.00.00	Transmission Medium	Transmission Medium	Transmission medium (eg, satellite, cable, terrestrial, ...)	REFI	ISO 7-bit char string	32 bytes max		Leaf		
147.02	10.01.04.00.00.00	Broadcast Region	Broadcast Region	Target region of broadcast	REFI	ISO 7-bit char string	32 bytes max		Leaf		

FIG. 12

10/009152

12/1/39

10/009152

13/39

Line #	SUP1E label	Data Element Name	Japanese Name	Data Element Definition	Type	Line #	Value Length	Value Range	Node/Leaf	Defining Document
165	02	30 02 00 00 00	Production	Production	REF				Node	
167	02	30 02 01 00 00	Contribution Status	Film Library	eg. Film Library	REF	ISO 7-bit char string	32 bytes max	Leaf	
168	02	30 02 03 00 00	Support and Administration	Support and Administration	Details of support and administrative contribution - business management, resource planning, activating etc	REF	ISO 7-bit char string	32 bytes max	Node	
169	02	30 02 01 00 00	Support/Administration Staff	Support/Administration Staff	eg. Banker	REF	ISO 7-bit char string	32 bytes max	Leaf	
170	02	30 05 00 00 00	Job Function Information	Job Function Information	Information about the job function or role of participating parties	REF	ISO 7-bit char string	32 bytes max	Node	
171	02	30 05 01 00 00	Job Function	Job Function	The function of the person(s), organisation or public body eg. Editor, Author	REF	ISO 7-bit char string	32 bytes max	Leaf	
172	02	30 05 02 00 00	Role	Role	eg. Name of character played	REF	ISO 7-bit char string	32 bytes max	Leaf	
173	02	30 06 00 00 00	Contact Information	Contact Information	Contact information for the participating party	REF	ISO 7-bit char string	32 bytes max	Node	
174	02	30 06 01 00 00	Contact Kind	Contact Kind	Contract, supply, use etc	REF	ISO 7-bit char string	32 bytes max	Leaf	
175	02	30 05 02 00 00	Contract Department	Contract Department	Name information for a department within an organisation where contact can be made	REF	ISO 7-bit char string	32 bytes max	Leaf	
176	12	30 06 03 00 00	Person or Organisation Details	Representative	The name of person(s), organisation or public body	REF			Node	
177	02	30 05 03 01 00	Person name	Person Name	Name information for persons	REF			Node	
178	02	30 05 03 01 00	Family name	Family Name	The family name of an individual	REF	ISO 7-bit char string	32 bytes max	Leaf	
179	02	30 05 03 01 00	First Given name	First Given Name	The first given name for an individual	REF	ISO 7-bit char string	32 bytes max	Leaf	
180	02	30 05 03 01 00	Second Given name	Second Given Name	The second given name for an individual	REF	ISO 7-bit char string	32 bytes max	Leaf	

FIG.13

10/009152

13/1/39

181	02	30	05	03	01	04	00	Third Given Name	The third given name for an organization	REF	ISO 7-bit char string	32 bytes max		Leaf	
182	02	30	05	03	02	00	00	Group name	Group Name	REF				Node	
183	02	30	05	03	02	01	00	Main name	Main Name	The main name by which the group is known	REF	ISO 7-bit char string	32 bytes max		Leaf
184	02	30	05	03	02	02	00	Supplementary name	Supplementary Name	Supplementary naming information for a group	REF	ISO 7-bit char string	32 bytes max		Leaf
185	02	30	05	03	03	00	00	Organisation name	Organisation Name	Name information for organisations	REF	ISO 7-bit char string	32 bytes max		Leaf
186	02	30	05	03	03	01	00	Main name	Main Name	The main name by which the organisation is known	REF	ISO 7-bit char string	32 bytes max		Leaf
187	02	30	05	03	03	02	00	Supplementary organisational name	Supplementary Name	Supplementary naming information for an organisation	REF	ISO 7-bit char string	32 bytes max		Leaf
188	03	00	00	00	00	00	00	INTERPRETIVE	Organisational Name	Organisational Name	REF	ISO 7-bit char string	32 bytes max		Leaf
189	03	01	00	00	00	00	00	Fundamental	Fundamental	Class 3 Interpretive	REF				Node
190	03	01	01	00	00	00	00	Countries	Countries	Defining information about Countries	REF				Node
191	03	01	01	00	00	00	00	ISO 3166 Country Code System	ISO 3166 Country Code	ISO country codes	REF				Node
192	03	01	01	01	00	00	00	ISO 3166 Country Code System	ISO 3166 Country Code	ISO country codes	REF	ISO 7-bit char	4 chars max	See types dictionary	Leaf
193	03	01	02	00	00	00	00	ISO Language Code	ISO 3166 Language Code	The code that represents a language. Defence Language Institute is an authority on domain codes.	REF				Type Node
194	03	01	01	02	01	00	00	ISO Language Code	ISO 3166 Language Code	The code that represents a language. Defence Language Institute is an authority on domain codes.	REF	ISO 7-bit char	4 chars max	See types dictionary	Leaf
195	03	01	02	00	00	00	00	Data Interpretations	Interpretation Parameter	Defining information about data interpretation	REF				Node
196	03	01	02	03	00	00	00	Operating system interpretations	OS Properties	A byte code for distinction of common operating systems	REF	Unsigned byte	1 byte	See types dictionary	Leaf
197	03	01	03	00	00	00	00	Fundamental Dimensions	Fundamental 4 Definition ?	Information about the four basic infinities of natural philosophy	REF				Node
198	03	01	03	01	00	00	00	Length	Length	Descriptive information about length	REF				Node

10/009152

14/39

SN/FE label	FE	Data Element Name	Japanese Name	Data Element Definition	Type	Value Length	Value Range	Node/leaf	Defining Document	
199	01	03	01	01	00	00	Length System	Length System	Metric, Imperial etc	
200	03	01	03	01	01	00	Length System	Length System	Metric, Imperial etc	
201	03	01	03	01	02	00	Length Units	Length Units	Units of measurements of length and distance [feet, metres etc]	
202	03	01	03	01	02	01	00	Length Units	Length Units	Units of measurements of length and distance [feet, metres etc]
203	03	01	03	02	00	00	Time	Time	Descriptive information about Time	
204	03	01	03	02	01	00	00	Time System	Time System	e.g. GMT, UPT
205	03	01	03	02	01	01	00	Time System	Time System	e.g. GMT, UPT
206	03	01	03	02	02	00	00	Time Units	Time Units	Frames, seconds, minutes etc
207	03	01	03	02	02	01	00	Time Units	Time Units	Frames, seconds, minutes etc
208	03	01	03	03	02	00	00	Mass	Mass	Descriptive information about Mass
209	03	01	03	04	02	00	00	Energy	Energy	Descriptive information about Energy
210	03	02	00	00	00	00	00	Descriptive-Human Assigned	Human Assigned ?	Describes (Human Assigned) relating to analysis of the content
211	03	02	01	00	00	00	00	Categorisation	Categorisation	Analytical categorisation of the content
212	03	02	01	02	00	00	00	Content Classification	Content Classification	Content classification
213	03	02	01	02	01	00	00	Type	Type	Type of programme (e.g. cartoon, film,..) [Coded as Esc0124]

FIG.14

10/009152

14/1/39

214	03	02	01	02	02	00	00	Genre	Genre	Programme genre (e.g. entertainment, culture, affairs, messina, lido, western, ...)[Coded as Escat 24]	#REF!	ISO 7-bit char string	32 bytes max	Type Node
215	03	02	01	02	03	00	00	Target Audience	Target Audience	Target audience (e.g. children, 17 to 22, etc.); -)	#REF!	ISO 7-bit char string	32 bytes max	Type Node
216	03	02	01	03	00	00	00	Cataloguing and Indexing	Cataloguing	Archival analysis of the essence metadata	#REF!	ISO 7-bit char string	32 bytes max	Type Node
217	03	02	01	03	01	00	00	Catalogue History	Archival Catalogue	Archival metadata concerning the archival analysis metadata	#REF!	ISO 7-bit char string	32 bytes max	Type Node
218	03	02	01	03	01	01	00	Status of Data Set	Status of The Metadata Set	The current status of the metadata set	#REF!	ISO 7-bit char string	32 bytes max	Type Node
219	03	02	01	03	01	01	00	Status of Data Set	Status of The Metadata Set	The current status of the metadata set	#REF!	ISO 7-bit char string	127 bytes max	Leaf
220	03	02	01	03	02	00	00	Cataloguing, Indexing or Thesaurus system used	ID In Use ?	The particular Cataloguing, Indexing or Thesaurus system used	#REF!	ISO 7-bit char string	32 bytes max	Type Node
221	03	02	01	03	03	00	00	Theme	Theme	The category of the Theme of the content	#REF!	ISO 7-bit char string	32 bytes max	Type Node
222	03	02	01	03	04	00	00	Genre	Genre	The category of the Genre of the content	#REF!	ISO 7-bit char string	32 bytes max	Type Node
223	03	02	01	03	05	00	00	Subject Code	Subject Code.	Subject Code.	#REF!	ISO 7-bit char string	32 bytes max	Type Node
224	03	02	01	03	06	00	00	Keywords	Keyword	Words or phrases summarizing an aspect of the data set	#REF!	ISO 7-bit char string	127 bytes max	Leaf
225	03	02	01	03	07	00	00	Key Frames	Key Frames	Reference to a key frame or video in the data set	#REF!	ISO 7-bit char string	127 bytes max	Leaf
226	03	02	01	03	08	00	00	Key Sounds	Key Sounds	Reference to a key sound in the data set	#REF!	ISO 7-bit char string	127 bytes max	Leaf
227	03	02	01	03	09	00	00	Key Data	Key Data	Reference to a key piece of data or program in the data set	#REF!	ISO 7-bit char string	127 bytes max	Leaf
228	03	02	01	05	00	00	00	Textual Description	Textual Description	A textual characterization of the data set	#REF!	ISO 7-bit char string	1024 bytes max	Type Node
229	03	02	01	05	01	00	00	Abstract	Abstract	A brief narrative summary of the data set	#REF!	ISO 7-bit char string	1024 bytes max	Leaf
230	03	02	01	05	02	00	00	Purpose	Purpose	A summary of the intentions with which the data set was described.	#REF!	ISO 7-bit char string	127 bytes max	Leaf
231	03	02	01	05	03	00	00	Description	Description	A textual description	#REF!	ISO 7-bit char string	127 bytes max	Leaf

10/009152

15/39

Line #	SI/PT Element Label	SI/PT Element Name	Japanese Name	Data Element Definition	SI #	Type	Value Length	Value Range	Node/Leaf	Defining Document
232	03 02 01 05 04 03 00 00	Color descriptor	Color Information	eg. Back and white, black and white, etc	#REF!	ISO 7-bit char string	32 bytes max		Type Node	
233	03 02 01 05 03 00 00 00	Format descriptor	Format Information	eg. Letterbox, Pillbox etc	#REF!	ISO 7-bit char string	32 bytes max		Type Node	
234	03 02 01 07 00 00 00 00	Stratum	Stratum	The descriptive stratum of the archival content analysis of the content	#REF!				Node	
235	03 02 01 07 01 00 00 00	Stratum kind	Stratum Kind	eg. Background, action, sound, nature etc	#REF!	ISO 7-bit char string	32 bytes max		Type Node	
236	03 02 01 09 00 00 00 00	Supplemental Information	Supplemental Information	Other descriptive information about the data set	#REF!				Node	
237	03 02 02 00 00 00 00 00	Assessments	Assessments	Assessments of editorial, technical etc aspects of the content and contributors list	#REF!				Node	
238	03 02 02 01 00 00 00 00	Awards	Awards	Awards relating to editorial, technical etc aspects of the content and contributors list	#REF!				Node	
239	13 02 01 01 00 00 00 00	Individual	Individual	Awards granted to individuals	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
240	13 02 02 01 02 00 00 00	Programme	Programme	Awards granted to programme	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
241	13 02 02 02 00 00 00 00	Qualitative Values	Qualitative Values	Assessed values relating to editorial, technical etc aspects of the content and contributors list	#REF!				Node	
242	13 02 02 02 01 00 00 00	Asset Values	Asset Values	Assessment of the programme quality	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
243	13 02 02 02 00 00 00 00	Content Value	Content Value	Assessment of the content value	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
244	13 02 02 02 03 00 00 00	Cultural Quality	Cultural Quality	Assessment of the cultural quality	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
245	13 02 02 02 04 00 00 00	Aesthetic Value	Aesthetic Value	Assessment of the aesthetic quality	#REF!	ISO 7-bit char string	32 bytes max		Leaf	
246	13 02 02 02 05 00 00 00	Historic Value	Historic Value	Assessment of the historic value	#REF!	ISO 7-bit char string	32 bytes max		Leaf	

FIG.15

10/009152

15/1/39

27	03	02	02	05	00	00	Technical Value	Technical Value	Assessment of the technical value	REFI	ISO 7-bit char	32 bytes max	Leaf
248	03	02	02	07	00	00	Other Values	Other Values	Assessment of other relevant qualities	REFI	ISO 7-bit char	32 bytes max	Leaf
251	03	00	00	00	00	00	Descriptors (Machine Assigned or Computed)	Descriptors	Descriptors (Machine Assigned or Computed) relating to analysis of the content	REFI	ISO 7-bit char	32 bytes max	Leaf
250	03	01	00	00	00	00	Categorisation	Categorisation	Analytical categorisation of the content	REFI	ISO 7-bit char	32 bytes max	Leaf
251	03	01	01	00	00	00	Content Classification	Content Classification	Content classification	REFI	ISO 7-bit char	32 bytes max	Leaf
252	03	01	02	00	00	00	Cataloguing and Indexing	Same as 217	Archival analysis of the essence metadata	REFI	ISO 7-bit char	32 bytes max	Leaf
253	03	01	02	01	00	00	Catalogue History	Same as 218	Archival metadata concerning the archival analysis metadata	REFI	ISO 7-bit char	32 bytes max	Leaf
254	03	01	02	01	01	00	Status of Data Set	Same as 219	The current status of the metadata set	REFI	ISO 7-bit char	32 bytes max	Leaf
255	03	01	02	02	00	00	Cataloguing, Indexing or Thesaurus system used	Same as 221	The particular Cataloguing, Indexing or Thesaurus system used	REFI	ISO 7-bit char	32 bytes max	Leaf
256	03	01	02	03	00	00	Keywords	Same as 225	Words or phrases summarising an aspect of the data set	REFI	ISO 7-bit char	32 bytes max	Leaf
257	03	01	02	07	00	00	Key Frames	Same as 226	Reference to a key frame of video in the data set	REFI	ISO 7-bit char	32 bytes max	Leaf
258	03	01	02	08	00	00	Key Sounds	Same as 227	Reference to a key sound in the data set	REFI	ISO 7-bit char	32 bytes max	Leaf
259	03	01	02	09	00	00	Key data	Same as 228	Reference to a key piece of data or program in the data set	REFI	ISO 7-bit char	32 bytes max	Leaf
260	03	01	06	00	00	00	Textual Description	Same as 229	A textual characterisation of the data set	REFI	ISO 7-bit char	32 bytes max	Leaf
261	03	01	07	00	00	00	Stratum	Same as 235	The descriptive status of the archival content analysis of the content	REFI	ISO 7-bit char	32 bytes max	Leaf
262	03	01	07	01	00	00	Stratum kind	Same as 236	e.g. Background action, sound nature, etc	REFI	ISO 7-bit char	32 bytes max	Leaf
263	04	00	00	00	00	00	PARAMETRIC	Class 4 Parameters	Class 4 is reserved for parametric and configuration metadata	REFI	ISO 7-bit char	32 bytes max	Leaf
264	04	01	00	00	00	00	Video Essence Encoding Characteristics	Video Encoding Parameters	Operating characteristics of the device creating the essence	REFI	ISO 7-bit char	32 bytes max	Leaf

10/009152

16/39

SMPTE Label	Data Element Name	Japanese Names	Data Element Definition	Type	Value Length	Value Range	Node/Leaf	Defining Document
255.04.01.01.00.00.00.00	Video Fundamental Characteristics	Video Fundamental Characteristics	Fundamental video characteristics	REF!			Node	
256.04.01.01.01.00.00.00.00	Video Source Device	Video Source Device	Indicates the type of the video source.	REF!			Leaf	
257.04.01.01.02.00.00.00.00	Fundamental opto-electronic formulation	OE Transfer etc Characteristics	Fundamental opto-electronic transfer etc characteristics	REF!	ISO 7-bit char string	32 bytes max	Leaf	
258.04.01.01.02.01.00.00.00	Gamma Information	Gamma Characteristics	Specifies the non-linear relationship between linear scene light levels and amplitude-compressed video signal levels.	REF!			Node	
259.04.01.01.02.01.01.00.00	Gamma Equation	Gamma Equation	Specifies the non-linear relationship between linear scene light levels and amplitude-compressed video signal levels.	REF!	ISO 7-bit char string	4 chars max	Leaf	V25.52
260.04.01.01.02.01.02.00.00	Gamma	Gamma	Specifies expected gamma output settings on video display	REF!	Decimal	8 bytes	Leaf	
271.04.01.02.02.00.00.00.00	Luma Equation	Luma Equation	Specifies the equation used to derive luma and chroma from gamma-corrected RGB signals	REF!	ISO 7-bit char	4 chars max	Leaf	See types dictionary
272.04.01.01.02.03.00.00.00	Colorimetry Code	Colorimetry Code	The fundamental color coding that relates the scene CIE tristimulus values (X, Y, Z) to the linear video levels (R, G, B).	REF!	ISO 7-bit char	4 chars max	Leaf	See types dictionary
273.04.01.01.03.00.00.00.00	Fundamental sequencing and scanning	Scanning Information	Fundamental scanning and sequencing information	REF!			Node	
274.04.01.01.03.01.00.00.00	Signal Form Code	Component Sequence	Code specifies the component sequence for the video pixel matrix.	REF!	ISO 7-bit char	4 chars max	Leaf	See types dictionary
275.04.01.01.03.02.00.00.00	Color Field Code	Color Frame Index	Identifies the color field of the source video field for video derived from composite sources.	REF!	UInt8	1 byte	Leaf	0th = default, 0th ~ 0th = field number
276.04.01.01.03.03.00.00.00	Vertical Rate	Vertical Rate	Specifies the vertical rate of the video scanning system.	REF!	UInt8	1 byte	Leaf	See types dictionary
277.04.01.01.03.04.00.00.00	Frame Rate	Frame Rate	The rate that video images are captured, expressed in frames per second.	REF!	UInt8	1 byte	Leaf	See types dictionary
378.04.01.01.04.00.00.00.00	Image dimensions	Image Dimensions	Specifies information about the horizontal and vertical dimensions of an image.	REF!	UInt8	1 byte	Leaf	See types dictionary
229.04.01.01.04.01.00.00.00	Image lines	Image Lines	Specifies information about the number of vertical scan lines.	REF!			Node	

FIG. 16

10,009152

16/1/39

230	04	01	01	04	01	01	00	00	Total Lines per Frame	Total Lines Per Frame	Specifies the number of lines in a total frame in the video scanning system.	REF	Unit16	2 bytes	Leaf
231	04	01	01	04	01	02	00	00	Active Lines per Frame	Active Lines Per Frame	Specifies the total number of lines (rows) in the active portion of a frame in the video pixel matrix.	REF	Unit16	2 bytes	Leaf
232	04	01	01	04	01	03	00	00	Leading Lines	Leading Lines	Specifies number of blank lines before image	REF	Unit32	4 bytes	Leaf
233	04	01	01	04	01	04	00	00	Trailing Lines	Trailing Lines	Specifies number of blank lines after image	REF	Unit32	4 bytes	Leaf
234	04	01	01	04	02	00	00	00	Horizontal and Vertical dimensions	Horizontal and Vertical Dimensions	Specifies numbers of blank lines after image	REF	Unit32	4 bytes	Leaf
235	04	01	01	04	02	01	01	00	Display Aspect Ratio	Aspect Ratio	Specifies the horizontal to vertical aspect ratio of the image as it is to be displayed.	REF	Unit32	4 bytes	Leaf
236	04	01	01	04	02	01	01	01	Image Aspect Ratio	Image Aspect Ratio	Specifies information about the horizontal and vertical dimensions of an image.	REF	Unit32	4 bytes	Leaf
237	04	01	01	04	02	01	01	02	Image Aspect Ratio	Image Aspect Ratio	Specifies the image aspect ratio	REF	Unit32	4 bytes	Leaf
238	04	01	01	04	02	01	02	00	Capture aspect ratio	Capture Aspect Ratio	Specifies the image aspect ratio of the image captured at the sensor.	REF	Unit32	4 bytes	Leaf
239	04	01	01	04	02	02	00	00	Stored Length	Stored Height	Specifies the horizontal to vertical aspect ratio of the image captured at the sensor.	REF	Unit32	4 bytes	Leaf
240	04	01	01	04	02	03	00	00	Stored Width	Stored Width	Specifies height of stored image	REF	Unit32	4 bytes	Leaf
241	04	01	01	04	02	04	00	00	Sampled Length	Sampled Height	Specifies height of sampled image	REF	Unit32	4 bytes	Leaf
242	04	01	01	04	02	05	00	00	Sampled Width	Sampled Width	Specifies width of sampled image	REF	Unit32	4 bytes	Leaf
243	04	01	01	04	02	06	00	00	Sampled X Offset	Sampled X Offset	Specifies X offset of sampled image	REF	Unit32	4 bytes	Leaf
244	04	01	01	04	02	07	00	00	Sampled Y Offset	Sampled Y Offset	Specifies Y offset of sampled image	REF	Unit32	4 bytes	Leaf
245	04	01	01	04	02	08	00	00	Display Length	Display Height	Specifies height of displayed image	REF	Unit32	4 bytes	Leaf
246	04	01	01	04	02	09	00	00	Display Width	Display Width	Specifies width of displayed image	REF	Unit32	4 bytes	Leaf
247	04	01	01	04	02	0A	00	00	Display X Offset	Display X Offset	Specifies X offset of displayed image	REF	Unit32	4 bytes	Leaf

10/009152

17/39

SHPTElement #	Data Element Name	Japanese Name	Data Element Definition	Length	Type	Value Range	Node/Leaf	Defining Document
298 04 01 04 02 05 00 00	Display Y Offset	Display Y Offset	Specifies Y offset of display image	4 bytes	REF	1432	Leaf	W25.52
299 04 01 05 00 00 00 00	Video Coding Characteristics	Video Original Signal Characteristics	Information about the original analogue coding of the essence	4 bytes	REF		Leaf	
300 04 01 05 01 00 00 00	Analogue Video System	PAL, NTSC etc		4 bytes	REF	ISO 7-bit char	Node	
301 04 01 05 03 00 00 00	Luminance Sample Rate	Luminance Sample Rate	The luminance sample rate	4 bytes	REF	1432	Leaf	
302 04 01 05 04 00 00 00	Active Samples per Line	Active Samples Per Line	Total number of samples (columns) in the active portion of a line in the video pixel matrix.	4 bytes	REF	1432	Leaf	
303 04 01 05 05 00 00 00	Total Samples per Line	Total Samples Per Line	Specifies the number of samples in a total line in the video pixel matrix.	2 bytes	REF	1432	Leaf	
304 04 01 05 06 00 00 00	Bits Per Pixel	Bits Per Pixel	The maximum number of significant bits for the value in each band of each pixel within a compression.	1 byte	REF	Unsigned Char	Leaf	
305 04 01 05 07 00 00 00	Sampling Information	Sampling Information	Description of the component sampling	4 bytes	REF		Node	
306 04 01 05 07 01 00 00	Sampling Hierarchy Code	Sampling Hierarchy Code	A code that specifies the component sampling hierarchy for the video pixel matrix.	4 bytes	REF	ISO 7-bit char	Leaf	
307 04 01 05 07 02 00 00	Horizontal Subsampling	Horizontal Subsampling	Specifies ratio of luminance subsampling to chrominance subsampling in horizontal direction	4 bytes	REF	1432	Leaf	W25.52
308 04 01 05 07 03 00 00	ColorString?	ColorString?	Specifies how to compute subsampled chrominance values	2 bytes	CodeStringType		Leaf	W25.52
309 04 01 05 08 00 00 00	Rounding Method Code	Rounding Method Code	Specifies the rounding method that has been applied to the digital samples of the video signal.	4 bytes	REF	ISO 7-bit char	Leaf	
310 04 01 05 09 00 00 00	Filtering Code	Filtering Code	Specifies the spectral filtering that has been applied to the digital samples of the video signal.	4 bytes	REF	ISO 7-bit char	Leaf	
311 04 01 05 10 00 00 00	Sampling Structure	Sampling Structure	Description of the sampling structure of the video scanning system, such as Progressive and single frame.	4 bytes	REF		Node	
312 04 01 05 10 01 00 00	Sampling Structure Code	Sampling Structure Code	A code that specifies the analogue or digital sampling structure for the video scanning system. Eg Progressive	1 byte	REF	Unsigned Char	Leaf	

FIG.17

10,009152

17/1/39

313	04	01	05	10	02	00	00	FrameLayout	Frame Layout	Specifies frame layout (interlaced, single frame, tiff frame, etc.)	REF!	LayoutType	2 bytes		Leaf	W25,52
314	04	01	05	04	00	00	00	IndexedImageMap	Line Field Information	Specifies relation between scanned lines and stored fields	REF!	Array of Int32	4 bytes		Leaf	W25,52
315	04	01	01	05	05	00	00	AlphaTransparency	Signal Transparency	Specifies whether 0 or the maximum value is transparent	REF!	Int32	4 bytes		Leaf	W25,52
316	04	01	05	00	00	00	00	ComponentWidth	Component Width	Specifies component width in bits	REF!	Int32	4 bytes		Leaf	W25,52
317	04	01	05	01	00	00	00	BlackReferenceLevel	Black Reference Level	Specifies digital luminance associated with black	REF!	Int32	4 bytes		Leaf	W25,52
318	04	01	05	05	00	00	00	WhiteReferenceLevel	White Reference Level	Specifies digital luminance associated with white	REF!	Int32	4 bytes		Leaf	W25,52
319	04	01	01	05	05	00	00	ColorRange	Color Dynamic Range	Specifies range of allowable color range values	REF!	Int32	4 bytes		Leaf	W25,52
320	04	01	05	11	00	00	00	PaletteLayout	Order of Color Components	Specifies order of components	REF!	RGBAnalog			Leaf	W25,52
321	04	01	05	12	00	00	00	Palette	Color Palette	Specifies palette containing colors	REF!	DataValue	variable		Leaf	W25,52
322	04	01	01	05	13	00	00	PaletteLayout?	Palette Layout?	Specifies layout of components in palette	REF!	RGBAnalog			Leaf	W25,52
323	04	01	05	14	00	00	00	IsInterleaved	Number of Same Data In Horizontal Direction of Original Signal	Specifies if the data has the same number of bytes in strip throughout	REF!	Boolean	1 byte		Leaf	W25,52
324	04	01	05	15	00	00	00	IsContiguous	Number of Stored Contiguous Bytes	Specifies if the data is stored in contiguous bytes	REF!	Boolean	1 byte		Leaf	W25,52
325	04	01	05	16	00	00	00	JPEGTableID	JPEG Table	Specifies JPEG table used to compress video	REF!	JPEGTableID			Leaf	W25,52
326	04	01	01	05	17	00	00	TIFFDescriptor_Summary	Tiff Parameters	Contains the TIFF control summary data	REF!	DataValue	variable		Leaf	W25,52
327	04	01	01	05	18	00	00	MPEG Coding Characteristics	MPEG Coding Characteristics	Information about MPEG video coding	REF!					
328	04	01	01	05	18	00	00	MPEG-2 Coding Characteristics	MPEG-2 Coding Characteristics	Information about MPEG video coding	REF!					
329	04	01	01	05	18	02	00	FieldFrameTypeCode	Field Frame Type Code	Identifies the field or frame type of the source video image for video derived from compressed sources. E.g. I, B or P	REF!	ISO 7-bitchar	1 char	I, B or P		
330	04	01	02	00	00	00	00	FilmParameters	Film Parameters	Information about Film	REF!				Node	

10/009152

18/39

SMPTE Label Line #	Data Element Name	Japanese Names	Data Element Definition	Field Type =	Value Length	Value Range	Node/Leaf	Defining Document
331 04 01 02 01 00 00 00	Film to Video parameters	Film Video Parameters	Information about transforming Film to Video	#REF!			Node	
332 04 01 02 01 01 00 00	Field Dominance	Field Dominance ?	Field one dominant [True]	#REF!	Boolean	1 byte	0h [FALSE] or FFh [TRUE]	Leaf
333 04 01 02 01 02 00 00	Framephase sequence	Frame Phase Sequence	e.g. Aframe, Bframe, Cframe	#REF!	Unsigned Char	1 byte	Modulo n count to 255 max	Leaf
334 04 01 02 02 00 00 00	Film Pulldown characteristics	Film Pulldown Characteristics	Film transfer pulldown characteristics	#REF!			Node	
335 04 01 02 02 01 00 00	Pulldown sequence	Pulldown Sequence	eg. 32, 11	#REF!	Unsigned Char	1 byte	See types dictionary	Leaf
335 04 01 02 02 00 00 00	Pulldown Phase	Pulldown Phase	Reducient field in a 32 pulldown sequence	#REF!	Boolean	1 byte	0h [FALSE] or FFh [TRUE]	Leaf
337 04 01 02 03 00 00 00	Pulldown Kind	Pulldown Kind	Specifies kind of pulldown	#REF!	PulldownKindType	2 bytes		Leaf
338 04 01 02 02 04 00 00	Pulldown Direction	Pulldown Direction	Specifies direction of pulldown	#REF!	PulldownDirection	2 bytes		Leaf
339 04 01 02 02 05 00 00	PhaseFrame	Pulldown Phase	Specifies pulldown phase	#REF!	PhaseFrameType	2 bytes		Leaf
340 04 01 02 03 00 00 00	Film Frame Rates	Film Frame Rates	Frame per second film frame rate	#REF!				Node
341 14 01 02 03 01 00 00	Capture Film Frame rate	24.00 fps	eg 24.00 fps	#REF!	Unsigned Char	1 byte	See types dictionary	Leaf
342 14 01 02 03 02 00 00	Transfer Film Frame rate	23.976 fps	eg 23.976 fps	#REF!	Unsigned Char	1 byte	See types dictionary	Leaf
343 14 01 02 03 03 00 00	FilmDescriptor_FrameRate	Specifies Frame rate	Specifies frame rate	#REF!	UInt32	4 bytes		Leaf
344 14 01 02 04 03 00 00	Film characteristics	Film Characteristics	Frame per second film frame rate	#REF!				Node
345 04 01 02 04 01 00 00	Film capture aperture	Film Aperture	eg super 16, academy	#REF!	ISO7bitChar	32 bytes max		Leaf

FIG.18

10/009152

18/1/39

10/009152

19/39

MPF Label	MPF	Label	Data Element Name	Japanese Name	Data Element Definition	Line	Type	Value Length	Value Range	Node/Leaf	Defining Document
364	04	02	01	00	00	00	00	00	00	00	Audio Fundamental Characteristics
365	04	02	01	00	00	00	00	00	00	00	Audio Source Device
366	04	02	02	00	00	00	00	00	00	00	Fundamental Audio formulation
367	04	02	01	01	00	00	00	00	00	00	Electro-spatial formulation
368	04	02	02	00	00	00	00	00	00	00	Filtering applied
369	04	02	01	02	03	00	00	00	00	00	Audio reference level
370	04	01	02	04	00	00	00	00	00	00	Number of audio channels in mix
371	04	01	02	04	01	00	00	00	00	00	Number of Mono Channels
372	04	01	02	04	02	00	00	00	00	00	Number of Stereo Channels
373	04	01	02	04	03	00	00	00	00	00	Physical Track Number
374	04	02	01	03	00	00	00	00	00	00	Film sound source
											Audio From Film
375	04	02	01	03	01	00	00	00	00	00	Optical Recording
376	04	02	01	03	02	00	00	00	00	00	Magnetic track
											Magnetic Recording
377	04	02	02	00	00	00	00	00	00	00	Analogue Audio Coding Characteristics
378	04	02	02	01	00	00	00	00	00	00	Analogue System
											Rai, Dolby-A etc

FIG. 19

10/009152

19/1/39

10/09/15 2

20/39

SHRTE Label	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	8010	8011	8012	8013	8014	8015	8016	8017	8018	8019	8020	8021	8022	8023	8024	8025	8026	8027	8028	8029	8030	8031	8032	8033	8034	8035	8036	8037	8038	8039	8040	8041	8042	8043	8044	8045	8046	8047	8048	8049	8050	8051	8052	8053	8054	8055	8056	8057	8058	8059	8060	8061	8062	8063	8064	8065	8066	8067	8068	8069	8070	8071	8072	8073	8074	8075	8076	8077	8078	8079	8080	8081	8082	8083	8084	8085	8086	8087	8088	8089	8090	8091	8092	8093	8094	8095	8096	8097	8098	8099	80100	80101	80102	80103	80104	80105	80106	80107	80108	80109	80110	80111	80112	80113	80114	80115	80116	80117	80118	80119	80120	80121	80122	80123	80124	80125	80126	80127	80128	80129	80130	80131	80132	80133	80134	80135	80136	80137	80138	80139	80140	80141	80142	80143	80144	80145	80146	80147	80148	80149	80150	80151	80152	80153	80154	80155	80156	80157	80158	80159	80160	80161	80162	80163	80164	80165	80166	80167	80168	80169	80170	80171	80172	80173	80174	80175	80176	80177	80178	80179	80180	80181	80182	80183	80184	80185	80186	80187	80188	80189	80190	80191	80192	80193	80194	80195	80196	80197	80198	80199	80200	80201	80202	80203	80204	80205	80206	80207	80208	80209	80210	80211	80212	80213	80214	80215	80216	80217</

10/009152

20/1/39

112	04	04	01	01	03	00	00	00	Timecode User Bits flag	User Bits On/Off	User Bits active = True	REF	Boolean	1 byte	00h [FALSE], FFh (TRUE)	Leaf
113	04	04	01	01	04	00	00	00	Start	Start Address	Specifies starting framecode in edit units	REF	Position	8 bytes		Leaf
114	04	04	01	01	07	00	00	00	TimecodeStream_SampleRate	Sample Rate of Timecode	Specifies sample rate of timecode	REF	Boolean	8 bytes		Leaf
115	04	04	01	01	08	00	00	00	Source	Timecode Data	Contains timecode data	REF	Boolean	8 bytes		Leaf
116	04	04	01	01	0A	01	00	00	IncludeSync	Timecode With Sync Signals	Specifies whether synchronization data is included	REF	Boolean	1 byte		Leaf
117	04	04	02	01	00	00	00	00	Analogue Metadata Coding Characteristics	Analogue Metadata Information	Information about the original analogue coding of the metadata	REF	Boolean	1 byte		Leaf
118	04	04	02	01	00	00	00	00	Analogue Metadata Carrier	Analogue Metadata Carrier	Information about the metadata digital coding	REF	Boolean	1 byte		Leaf
119	04	04	03	00	00	00	00	00	Digital Metadata Coding Characteristics	Digital Metadata Information	Information about the original digital coding	REF	Boolean	1 byte		Leaf
120	04	04	03	01	00	00	00	00	Digital Metadata Carrier	Digital Metadata Carrier	The metadata coding type - eg. Digital VBI, AES-3	REF	Boolean	1 byte		Leaf
121	04	04	07	00	00	00	00	00	Metadata test parameters	Metadata Test Characteristics	Metadata test parameters from the original recording	REF	Boolean	1 byte		Leaf
122	04	05	00	00	00	00	00	00	System & Control Encoding Characteristics	Device Characteristics	Operating characteristics of the device creating the system and control information	REF	Boolean	1 byte		Leaf
123	04	05	01	00	00	00	00	00	System & Control Fundamental Characteristics	Fundamental Metadata Characteristics	Fundamental System and Control Metadata characteristics	REF	Boolean	1 byte		Leaf
124	04	05	01	01	00	00	00	00	Analogue System & Control Coding Characteristics	Original Analogue Signal Characteristics	Information about the original analogue coding of the system & control data	REF	Boolean	1 byte		Leaf
125	04	05	01	01	00	00	00	00	Analogue System & Control Coding	Analog System	Information about the original digital coding of the system & control data	REF	Boolean	1 byte		Leaf
126	04	05	02	00	00	00	00	00	Digital System Coding Characteristics	Information About The Original Digital Coding	Information about the original digital coding of the system & control data	REF	Boolean	1 byte		Leaf
127	04	05	03	00	00	00	00	00	Digital System Metadata Sampling Characteristics	Information About Digital Metadata	Information about the System and Control metadata digital sampling	REF	Boolean	1 byte		Leaf
128	04	05	04	00	00	00	00	00	System Metadata test parameters	Original Signal Metadata Characteristics	System and Control metadata test parameters from the original recording	REF	Boolean	1 byte		Leaf
129	04	05	00	00	00	00	00	00	General Encoding Characteristics	General Encoding Characteristics	Characteristics that apply to more than one type of essence or metadata	REF	Boolean	1 byte		Leaf

10/009152

21/39

Line #	SHPTECode	Data Element Name	Japanese Names	Data Element Definition	Ed #	Type	Value Length	Value Range	Node/leaf	Defining Document
430	04 05 00 00 00 00 00 00	General Essence Encoding Characteristics	General Essence Encoding Characteristics	Characteristics that apply to more than one type of essence	REF				Node	
431	04 05 01 00 00 00 00 00	Sampling Rate	Sampling Rate	Specifies the sample rate of essence data	REF	Rational	8 bytes		Leaf	W25.52
432	04 05 01 02 00 00 00 00	Length	Length	Specifies the number of samples of essence data	REF	Length	8 bytes		Leaf	W25.52
433	04 05 02 00 00 00 00 00	Container encoding Characteristics	Container Encoding Characteristics	Characteristics that apply to the container of the metadata or essence	REF				Node	
434	04 05 02 01 00 00 00 00	ByteOrder	Byte Order	Specifies the byte order of the metadata	REF	Int16	2 bytes		Leaf	
435	04 07 00 00 00 00 00 00	Storage Medium parameters	Storage Medium Information	Characteristics that describe the physical media such as cartridge size	REF				Node	
436	04 07 01 00 00 00 00 00	Tape cartridge format	Tape Cartridge Format		REF				Node	
437	04 07 01 01 00 00 00 00	Videotape gauge and format	Videotape Gauge	The gauge and format of the videotape e.g. Betacam SP, HDV, 24P	REF	ISO 7bit char string	32 bytes max		Leaf	
438	04 07 01 02 00 00 00 00	FormFactor	Size of Tape	Specifies the physical size of tape	REF	TapeCasetype	2 bytes		Leaf	W25.52
439	04 07 01 03 00 00 00 00	VideoSignal	Signal Form	Specifies whether the tape is NTSC, PAL, or SECAM	REF	VideoSigntype	2 bytes		Leaf	W25.52
440	04 07 01 04 00 00 00 00	TapeFormat	Tape Format	Describes the format of the tape	REF	TapeFormatType	2 bytes		Leaf	W25.52
441	04 07 01 05 00 00 00 00	Length	Recording Time	Specifies the tape capacity in minutes	REF	Length	8 bytes		Leaf	W25.52
442	04 07 01 06 00 00 00 00	TapeDescriptor_ManufacturerID	Tape Manufacturer	Specifies the SHPTE label or AUID that identifies the manufacturer	REF	Unicode String	variable		Leaf	W25.52
443	04 07 01 07 00 00 00 00	Model	Tape Model Number	Specifies the tape model number	REF	Unicode String	variable		Leaf	W25.52
444	04 07 02 00 00 00 00 00	DiscRecorder parameters	Disc Recorder Information	Information about the recorder	REF				Node	

FIG.21

10/009152

21/1/39

445	04	07	02	01	00	00	00	Disc kind and format	Disc Kind	The kind and format of the disc eg. Recordable DVD, CD-Rom	REF!	ISO 7-bit char string	32 bytes max		Leaf
446	C4	07	05	00	00	00	00	Film Medium Parameters	Film Medium Information	Information about the physical film media	REF!				Node
447	54	07	03	01	00	00	00	Film Stock manufacturer	Film Stock Manufacturer	eg Kodak, Ilford	REF!	ISO 7-bit char string	32 bytes max		Leaf
448	4	07	03	02	00	00	00	Film Stock type	Film Stock Type	eg. S247	REF!	ISO 7-bit char string	32 bytes max		Leaf
449	34	07	03	03	00	00	00	Perforations per frame	Perforations Information	Specifies number of perforations per frame (exists 3 or 4)	REF!	Uint8	1 byte		Leaf
450	04	07	03	04	00	00	00	Film Kind	Film Kind	Specifies the film type	REF!	FilmType	2 bytes		Leaf
451	34	07	03	05	00	00	00	Film Format	Film Format	Specifies kind of film stock	REF!	FilmType	2 bytes		Leaf
452	34	07	03	06	00	00	00	Film Aspect Ratio	Film Aspect Ratio	Specifies image aspect ratio for film	REF!	Rational	8 bytes		Leaf
453	04	07	03	07	00	00	00	Manufacturer	Manufacturer	Specifies manufacturer of film stock	REF!	Unicode String	variable		Leaf
454	04	07	03	08	00	00	00	Model	Model	Specifies film model number	REF!	Unicode String	variable		Leaf
455	04	07	03	09	00	00	00	Film gauge and format	Film Gauge	The gauge and format of the film eg. 70mm Neg, Blair Venetope 48 mm	REF!	ISO 7-bit char string	32 bytes max		Leaf
456	04	03	00	00	00	00	00	Object Characteristics (placeholder)	Object Characteristics		REF!				Node
457	04	10	00	00	00	00	00	Device Characteristics	Device Characteristics	Information about the devices used	REF!				Node
458	04	10	01	00	00	00	00	Camera Characteristics	Camera Characteristics	Information about camera devices	REF!				Node
459	04	10	01	00	00	00	00	Optical Characteristics	Optical Characteristics	Information about camera optics	REF!				Node
460	04	10	01	01	00	00	00	Focal Length	Focal Length	Focal length of the lens at time of collection	REF!	Floating Point	4 bytes		Leaf
461	04	10	01	01	00	00	00	Sensor Size	CCD Size	The size of the sensor - eg. 1/2, 2/3 etc	REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf
462	04	10	01	02	00	00	00	Lens Aperture	Lens	Aperture of the lens at the time of collection	REF!	Floating Point	4 bytes		Leaf

10/009152

22/39

SMpte Label #	Data Element Name				Japanese Names	Data Element Definition	Type	Value Range	Node/Leaf	Defining Document
							#REF!			
463 04 10 01 01 02 00 00 Sensor Type Code	CCD Size of Original Signals	Code indicating type of sensor that produced the original video content.	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf			
464 04 10 01 03 00 00 00 Field of View	Field of View	Sensor field of view, in degrees.	#REF!	Routing Point	4 bytes		Leaf			
465 04 10 01 04 00 00 00 Anamorphic lens characteristic	Special Lens	eg Flat, anamorphic	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf			
466 04 10 01 02 00 00 00 Optical Test parameters	Optical Test Characteristics	Optical test parameters from the original recording	#REF!				Node			
467 04 10 01 02 00 00 00 Optical Sensor Characteristics	Sensor Characteristics	Information about the optical sensor used	#REF!				Node			
468 04 10 01 02 01 00 00 Flare	Flare Characteristics	Flare test measurements	#REF!	Routing Point	4 bytes		Leaf			
469 04 10 02 00 00 00 00 Microphone Characteristics	Microphone Characteristics	Information about microphones used	#REF!				Node			
470 04 10 02 01 00 00 00 Sensor Type	Sensor Type	Transducer principle	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Leaf			
471 04 10 02 02 00 00 00 Polar characteristic	Polar Characteristics	Polar patterns	#REF!	ISO 7-bit char	32 bytes max		Leaf			
472 04 15 00 00 00 00 00 Image Characteristics	Image Characteristics	The specific category of imagery	#REF!				Node			
473 04 15 01 00 00 00 00 Image Category	Image Category	Identifies the specific category of imagery (often revealing the nature of the collector or intended use). Format is as defined in NITF v2.0 in addition to those defined here.	#REF!	ISO 7-bit char	32 bytes max		Leaf			
474 05 00 00 00 00 00 00 PROCESS	Class 5 Process	Class 5 is reserved for information about the essence processing	#REF!				Node			
475 05 01 00 00 00 00 00 Process Indicators	Process Status Flag	Flags etc indicating the process status of the essence	#REF!				Node			
476 05 01 01 00 00 00 00 Fundamentals	Fundamental Information	Information about process fundamentals	#REF!				Node			
477 05 01 01 00 00 00 00 Integration Information	Display Segment of A Clip or Shot	A item that describes what the resource is as unit status of the essence. Items must be consistent with industry or organizational practices to be useful. Includes a segment of a clip or shot	#REF!	ISO 7-bit char	32 bytes max		Leaf			

FIG.22

10/009152

22/1/39

Duplication Property										Quality of a specific recording/physical copy (produced by)		REF		Boolean		1 byte		0h (00 00 00 00)		Leaf									
478	35	01	01	02	00	03	00	00	00	Physical Instance Category										REF									
479	35	01	01	00	00	00	00	00	00	Category of physical copy (e.g. master copy, copy, broadcast copy)										REF									
480	35	01	02	00	00	00	00	00	00	Capture										ISO 7-bit char string									
481	35	01	02	01	00	03	00	00	00	Digital or analogue origination										32 bytes max									
482	35	01	02	02	00	00	00	00	00	Microphone Placement techniques										REF									
483	35	01	03	00	00	00	00	00	00	Manipulation										ISO 7-bit char string									
484	35	01	03	01	00	00	00	00	00	Simple Flagging										32 bytes max									
485	35	01	03	02	00	00	00	00	00	Number of Copies										REF									
486	35	01	03	03	00	00	00	00	00	Clone number										REF									
487	35	01	03	04	00	00	00	00	00	Work In Progress Flag										00h [FALSE, FALSE]									
488	35	01	03	05	00	00	00	00	00	Digital or analogue mix										REF									
489	35	01	03	05	00	00	00	00	00	Same as 489										10255									
490	35	02	00	00	00	00	00	00	00	Downstream Processing History										REF									
491	35	02	01	00	00	00	00	00	00	Video Compression History										REF									
492	35	02	01	01	00	00	00	00	00	Video Compression Algorithm										REF									
493	35	02	01	02	00	00	00	00	00	H.264/2 dynamic coding historical dataset										REF									
494	35	02	01	03	00	00	00	00	00	Video Noise Reduction Algorithm										REF									
495	35	02	01	04	00	00	00	00	00	Compression										16 bytes									

10/009152

23/39

Line	SMpte label	Data Element Name	Japanese Name	Data Element Definition	Type	Value Length	Value Range	Node/Leaf	Defining Document
495	05 02 00 00 00 00	Audio Compression History	Audio Compression History	Audio history of compression for audio payload.	REF			Node	
497	05 02 01 00 00 00	Audio Compression Algorithm	Audio Compression Algorithm	Algorithms used by device used mode used.	REF	ISO 7-bit char	4 chars max	Leaf	
498	05 02 02 00 00 00	MPEG-2 Audio dynamic coding History	Audio Coding History	quantisation per subband, scale factors as per SMPTEXXXX	REF	as per standard		Leaf	
499	05 02 03 00 00 00	Audio Noise Reduction Algorithm	Noise Reduction Algorithm	Algorithm used in a noise reduction process - eg Dolby SR, Telecom, other	REF	ISO 7-bit char	4 chars max	Leaf	
500	05 02 03 00 00 00	Data Compression History	Same as 491	Algorithm used in a noise reduction process - eg Dolby SR, Telecom, other	REF			Node	
501	05 02 04 00 00 00	Metadata Compression History	Metadata Compression History	Algorithm used in a noise reduction process - eg Dolby SR, Telecom, other	REF			Node	
502	05 10 00 00 00 00	MPEG Processing	MPEG Processing	MPEG processing performed on the essence	REF			Node	
503	05 10 01 00 00 00	Splicing Metadata	Splicing Metadata	MPEG-2 splicing metadata as defined in SDH-CP (E&M) and SMPTE 312M	REF	as per standard		Leaf	
504	05 20 00 00 00 00	Enhancement or Modification	Enhancement or Modification	Enhancement or modification to the essence	REF			Node	
505	05 20 01 00 00 00	Video Processing	The Video Essence	Modification to The Video Essence	REF			Node	
506	05 20 01 00 00 00	Enhancement or Modification Description	Modification Description	Description of how video content has modified	REF	string	127 bytes max	Leaf	
507	05 20 01 02 00 00	Video processor settings (Device specific)	Device Designation	The settings of a specific device in the system	REF			Node	
508	05 20 01 02 00 00	Device Kind	Device Kind	Specific description for a device - eg for the film camera, film grading, video camera, variable gain amplifier etc	REF	string	32 bytes max	Leaf	
509	05 20 01 02 00 00	Device Parameter	Device Parameter	Specific parameter for the specified device - eg Overall gain, Red/Blue, contrast	REF	ISO 7-bit char string	32 bytes max	Leaf	
510	05 20 01 02 03 00	Device parameter setting	Same as 510	The setting of the specific parameter for the specified device	REF	ISO 7-bit char string	32 bytes max	Leaf	

FIG.23

10/009152

23/1/39

10/009152

24/39

Element Label	Element Name	Japanese Name	Data Element Definition	Type	Value Length	Value Range	Node/Leaf	Defining Document
529	SourceSignalID	Source Signal ID	Specifies the mod	REF	4 bytes		Leaf	W25.52
530	DefFadeType	Default Fade Type	Specifies the default fade type for audio/soft effects	REF	2 bytes		Leaf	W25.52
531	EditingMatteInformation	Editing matte information	Editing Matte Information	REF			Node	
532	EditingMatteType	Editing Matte Type	Specifies matte as a rectangle	REF	32 bytes		Leaf	W25.52
533	EditingEventInformation	Editing event information	Editing Event Information	REF			Node	
534	EventComment	Event Comment	Describes event	REF			Node	
535	ActiveState	Event On/Off	Specifies whether the event turns device on or off	REF	Boolean	1 byte	Leaf	W25.52
536	EditingEffectInformation	Editing effect information	Editing Effect Information	REF			Node	
537	FadeInType	Type of Audio Fade In	Specifies type of audio fade in	REF	2 bytes		Leaf	W25.52
538	FadeOutType	Type of Audio Fade Out	Specifies type of audio fade out	REF	2 bytes		Leaf	W25.52
539	ControlPointValue	Control Point	Specifies a value at specified time	REF	variable		Leaf	W25.52
540	ConstantValue	Constant Value	Specifies a constant value	REF	variable		Leaf	W25.52
541	Hints	Hints	Provides hints useful when control points are edited	REF	EdithintType	2 bytes	Leaf	W25.52
542	TransientInformation	Transient Information	Identifies time-varying effects	REF	Boolean	1 byte	Leaf	W25.52
543	CategoryInformation	Category Information	Identifies category of operation (Effect, Transformation, etc.)	REF	UpCategories	variable	Leaf	W25.52

FIG.24

10/009152

24/1/39

544	05	20	10	05	35	20	00	Number of Inputs	Number of Input Segments	Specifies number of input segments	REF	1032	4 bytes	Leaf	W25.52
545	05	20	10	05	09	00	00	Bypass	Bypass Information	Specifies default input to play	REF	1032	4 bytes	Leaf	W25.52
546	05	20	10	05	00	00	00	Editing Web Information	Editing Web Information	Specifies start of reference	REF	1032	4 bytes	Leaf	W25.52
547	05	20	10	05	01	00	00	BeginAnchor	Begin	Specifies end of reference	REF	1032	4 bytes	Leaf	W25.52
548	05	20	10	05	02	00	00	EndAnchor	End	Specifies start of reference	REF	1032	4 bytes	Leaf	W25.52
549	05	20	10	07	00	00	00	Editing User Notes	Editing Notes	Specifies the tag	REF	1032	4 bytes	Leaf	W25.52
550	05	20	10	07	01	00	00	TaggedValue_Name	Tag Information	Specifies the tagged value	REF	1032	4 bytes	Leaf	W25.52
551	05	20	10	07	02	00	00	TaggedValue_Value	Value Information	Specifies the tagged value	REF	1032	4 bytes	Leaf	W25.52
552	05	20	00	00	00	00	00	RELATIONAL	Class 6 Information About The Relationships Between Data	Class 6 is reserved for information about the relationships between data	REF	1032	4 bytes	Leaf	W25.52
553	05	01	00	00	00	00	00	Relationships	Relationships	What is being related?	REF	1032	4 bytes	Leaf	W25.52
554	05	01	01	00	00	00	00	Relatives	Relationship Type	Type of relation (e.g. is part of, is an item of [programme, series], [series, remake, ...])	REF	1032	4 bytes	Leaf	W25.52
555	05	01	01	00	00	00	00	Essential Essence	Correlative Value	The relationship value in terms of Parent of, Child of, Item of, Except of, Version of, Compilation of, etc	REF	1032	32 bytes max	Leaf	W25.52
556	05	01	01	01	00	00	00	Source Material	Source Material	For asset tracking	REF	1032	32 bytes max	Leaf	W25.52
557	05	01	01	01	01	00	00	Source Material UUID	UUID	For asset tracking	REF	1032	32 bytes max	Leaf	W25.52
558	05	01	01	01	01	02	00	Source Material	Source Material	For asset tracking	REF	1032	32 bytes max	Leaf	W25.52
559	05	01	01	01	02	00	00	Most Recent Edit Text	Most Recent Edit Text	For asset tracking	REF	1032	32 bytes max	Leaf	W25.52
560	05	01	01	01	01	01	00	Most recent edit UUID	Most Recent UUID	For asset tracking	REF	1032	32 bytes max	Leaf	W25.52
561	05	01	01	01	02	00	00	Most recent edit	Same as 560	For asset tracking	REF	1032	32 bytes max	Leaf	W25.52

10/009152

25/39

Line	SDT/ST	Element	Data Element Name	Japanese Names	Data Element Definition	Code	Type	Value Length	Value Range	Model/Leaf	Defining Document
562	06	01	02	00	00	00	Metadata to Essence	Metadata To Essence	The relationship between metadata and essence	REF	
563	06	01	03	00	00	00	Metadata to Metadata	Metadata To Metadata	The relationship value in terms of Parent of, Child of	REF	
564	06	01	04	00	00	00	Object to Object	Object To Object	The relationship value in terms of Parent of, Child of, Item of	REF	
565	06	01	05	00	00	00	Metadata to Object	Metadata To Object	The relationship between metadata and an object	REF	
566	06	02	00	00	00	00	Related production material	Related To Production Material	Related production material	REF	
567	06	02	01	00	00	00	Programme support material	Relation To Support Material	eg printed educational material	REF	
568	06	02	02	00	00	00	Programme advertising material	Relation To Advertising Material	eg printed advertising material	REF	
569	05	02	01	03	00	00	Programme commercial material	Relation To Commercial Material	eg. Mugs, T-shirts, recordings	REF	
570	05	03	00	00	00	00	Numerical sequence	Information About Numerical Sequence	Information about numerical sequences	REF	
571	05	03	01	00	00	00	Numerical position in sequence	Numerical Sequence	1,2,3 etc	REF	
572	05	03	03	00	00	00	Relative position in sequence (rate)	Offset Information	Numerical offset	REF	
573	05	03	04	00	00	00	Relative position in sequence (descriptive)	Previous, Next Information	Previous, Next etc	REF	
574	05	03	05	01	00	00	Relative position in sequence (descriptive)	Previous, Next Information	Previous, Next etc	REF	
575	05	04	00	00	00	00	Relationship structures	Relationship of Structure		REF	
576	05	04	01	00	00	00	Containing relations	Containing Relations		REF	

FIG.25

10/009152

25/1/39

577	06	05	01	01	03	00	00	Contains one	Content itself?		REF				Node
578	05	04	01	01	00	00	00	Still Frame	Still Frame	Specifies still image of video essence	REF				
579	05	04	01	01	02	00	00	HotSpotMatte	Hot Spot Matte	Specifies matte as an alpha channel	REF	StrongReference	NA	SourceReference	Leaf
580	06	04	01	01	03	00	00	Annotation	Annotation	Specifies audio or text content	REF	StrongReference	NA	SourceReference	Leaf
581	06	04	01	01	04	00	00	Rendering	Rendering	Specifies precomputed version of operation	REF	StrongReference	NA	SourceReference	Leaf
582	06	04	01	01	05	00	00	InputSegment	Pulldown	Specifies input for pulldown	REF	StrongReference	NA	SourceReference	Leaf
583	06	04	01	01	06	00	00	Selected	Selection	Specifies segment selected in edit decision	REF	StrongReference	NA	Segment	Leaf
584	06	04	01	01	07	00	00	OperationGroup	Effect Used In The Transition	Specifies effect used in the transition	REF	StrongReference	NA	Segment	Leaf
585	06	04	01	03	00	00	00	ManufacturerInfo	Web Address	Specifies location of web site	REF	StrongReference	16bytes	OperationGroup	Leaf
586	06	04	01	01	09	00	00	Content	Content Mob	Contains the mob and essence data	REF	StrongReference	NA	ContentStorage	Leaf
587	06	04	01	01	04	00	00	Dictionary	Vontent Definitions	Contains the definitions	REF	StrongReference	NA	Dictionary	Leaf
588	06	04	01	01	08	00	00	EssenceDescription	Essence Definitions	Describes the essence format	REF	StrongReference	NA	EssenceDescriptor	Leaf
589	06	04	01	01	05	00	00	Segment	Segment Definitions	Contains the segment	REF	StrongReference	NA	Segment	Leaf
590	06	04	01	01	02	00	00	Contains set	Contains Set		REF	StrongReference	NA	Segment	Leaf
591	06	04	01	02	00	00	00	Parameters	Parameter	Specifies the control parameters	REF	StrongReference	NA	Parameter	Leaf
592	05	04	01	02	02	00	00	Alternates	Alternate in Segment	Specifies alternative segments	REF	StrongReference	NA	Segment	Leaf
593	05	04	01	02	03	00	00	Mobs	Mobs	Specifies nodes	REF	StrongReference	NA	Node	Leaf
594	06	04	01	02	04	00	00	EssenceData	Essence Data	Specifies essence data	REF	StrongReference	NA	EssenceData	Leaf

10,009152

26/39

Line	SNPTE Label	Data Element Name	Japanese Names	Data Element Definition	Element Type	Value Length	Value Range	Node/leaf	Defining Document
595	05	04 01 02 05 00 00	Properties	Properties	REF	StrongReferenceSeNA	PropertyDefinition	Leaf	W25.52
596	06	04 01 02 05 00 00	Locators	Locators	REF	StrongReferenceSeNA	Locator	Leaf	W25.52
597	05	04 01 02 07 00 00	ClassDefinitions	Class Definitions	REF	StrongReferenceSeNA	ClassDefinition	Leaf	W25.52
598	05	04 01 02 08 00 00	TypeDefinitions	Type Definitions	REF	StrongReferenceSeNA	TypeDefinition	Leaf	W25.52
599	05	04 01 02 09 00 00	OperationDefinitions	Operation Definitions	REF	StrongReferenceSeNA	OperationDefinition	Leaf	W25.52
600	05	04 01 02 04 00 00	ParameterDefinitions	Parameter Definitions	REF	StrongReferenceSeNA	ParameterDefinition	Leaf	W25.52
601	05	04 01 02 03 00 00	DataDefinitions	Data Definitions	REF	StrongReferenceSeNA	DataDefinition	Leaf	W25.52
602	05	04 01 02 00 00 00	PluginDescriptors	Plugin Descriptors	REF	StrongReferenceSeNA	PluginDescriptor	Leaf	W25.52
603	05	04 01 02 00 00 00	CodecDefinitions	Codec Definitions	REF	StrongReferenceSeNA	CodecDefinition	Leaf	W25.52
604	16	04 01 02 05 00 00	ContainerDefinitions	Container Definitions	REF	StrongReferenceSeNA	ContainerDefinition	Leaf	W25.52
605	05	04 01 02 05 00 00	InterpolatorDefinitions	Interpolator Definitions	REF	StrongReferenceSeNA	InterpolatorDefinition	Leaf	W25.52
606	16	04 01 02 10 00 00	UserComments	Comments	REF	StrongReferenceSeNA	TaggedValue	Leaf	W25.52
607	15	04 01 03 00 00 00	ContainsOrderedSet	Contains Sequence	REF	StrongReferenceSeNA		Node	
608	16	04 01 03 01 00 00	Choices	Format Specifications	REF	StrongReferenceSeNA	SourceReference	Leaf	W25.52
609	16	04 01 03 02 00 00	InputSegments	Input Segment	REF	StrongReferenceSeNA	Segment	Leaf	W25.52

FIG.26

10/009152

26/1/39

Nesting Information							Specifies slots for nesting			Segment				
610	06	04	01	03	03	00	00	NestedScope_Slots	Component	StrongReference<e_NA	Leaf	W25.52		
611	06	04	01	03	04	00	00	Components	Locator	Component	Leaf	W25.52		
612	06	04	01	03	05	00	00	Locator	Specifies location of essence data	StrongReference<e_NA	Leaf	W25.52		
613	06	04	01	03	06	00	00	IdentifierList	Identifies the time and application modifying the container	StrongReference<e_NA	Locator	Leaf	W25.52	
614	06	04	01	03	07	00	00	Mobile_Slots	Contains the slots in the mob	StrongReference<e_NA	Identifier	Leaf	W25.52	
615	06	04	01	03	03	00	00	PointList	Specifies the values at specific points in time	StrongReference<e_NA	MobileSlot	Leaf	W25.52	
616	06	04	01	04	00	00	00	Contains Stream of Data	Contains Stream of Data	StrongReference<e_NA	ControlPoint	Leaf	W25.52	
617	06	04	01	04	01	00	00	Data	Contains essence data	StrongReference<e_NA	Variable	Leaf	W25.52	
618	06	04	01	04	02	00	00	SampleIndex	Contains index to essence data	PositionArray	Variable	Leaf	W25.52	
619	06	04	02	00	00	00	00	WeakReference Relation	ProBLEMATIC Point	StrongReference	Variable	Leaf	W25.52	
620	06	04	02	01	00	03	00	WeakReference to the object	Object_ProBLEMATIC Point	StrongReference	Variable	Leaf	W25.52	
621	06	04	02	01	01	00	00	Generation	Unique identifier used to differentiate versions of the same object	WeakReference	16 bytes	Identifier	Leaf	W25.52
622	06	04	02	01	02	00	00	DataDefinition	Specifies the basic kind of data of the essence	WeakReference	16 bytes	DataDefinition	Leaf	W25.52
623	06	04	02	01	03	00	00	OperationDefinition	Specifies the operation to be performed	WeakReference	16 bytes	OperationDefinition	Leaf	W25.52
624	06	04	02	01	04	00	00	SourceID	Specifies mob	WeakReference	16 bytes	Mobile	Leaf	W25.52
625	06	04	02	01	05	00	00	ControlPoint_Type	Specifies data type of effect control	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52
626	06	04	02	01	06	00	00	OperationDefinition_DataDefinition	Identifies essence type produced by operation	WeakReference	16 bytes	DataDefinition	Leaf	W25.52
627	06	04	02	01	07	00	00	ParameterDefinition_Type	Specifies data type of effect control	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52

10,009152

27/39

Element ID	Simple Type	Data Element Name	Japanese Names	Data Element Definition	Type	Value Length	Value Range	Node/Leaf	Defining Document	
629_05	04 02 01 03 00 00	PropertyDefinition_Type	Property	Specifies data type of property	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52
629_06	04 02 01 09 00 00	CategoryClass	Category	Specifies definition object associated with plugin	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52
630_06	04 02 01 04 00 00	FileDescriptorClass	File Descriptor	Identifies FileDescriptor associated with code.	#REF!	WeakReference	16 bytes	ClassDefinition	Leaf	W25.52
631_05	04 02 01 03 00 00	ModID		Specifies mod that describes essence	#REF!	WeakReference	16 bytes	Mod	Leaf	W25.52
632_06	04 02 01 00 00 00	ContainerFormat	Container Format	Specifies container definition	#REF!	WeakReference	16 bytes	ContainerDefinition	Leaf	W25.52
633_06	04 02 01 00 00 00	Definition	Parameter Definition	Specifies the Parameter Definition	#REF!	WeakReference	16 bytes	ParameterDefinition	Leaf	W25.52
634_06	04 02 01 05 00 00	Parameter_Type	Type of The Parameter	Specifies the data type of the parameter	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52
635_05	04 02 01 05 00 00	Interpolation	Interpolation	Specifies interpolation method to use	#REF!	WeakReference	16 bytes	InterpolationDefinition	Leaf	W25.52
636_05	04 02 01 10 00 00	TaggedValue_Type	Data Type	Specifies the data type of the value	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52
637_06	04 02 01 11 00 00	TypeDefinitionStrongObjectReference	Strong Pertinent of Object	Specifies the class of the referenced object	#REF!	WeakReference	16 bytes	ClassDefinition	Leaf	W25.52
638_05	04 02 01 12 00 00	TypeDefinitionWeakObjectReference	Weak Pertinent of Object	Specifies the class of the referenced object	#REF!	WeakReference	16 bytes	ClassDefinition	Leaf	W25.52
639_06	04 02 01 13 00 00	TypeDefinitionEnumeration_Element	Underlying Segment Type	Specifies the underlying type	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52
640_05	04 02 01 14 00 00	TypeDefinitionFixedArray_Element	Type of Variable Array Element	Specifies the type of the array element	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52
641_05	04 02 01 15 00 00	TypeDefinitionVariableArray_Element	Type of Fixed Array Element	Specifies the type of the array element	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52
642_06	04 02 01 16 00 00	TypeDefinitionSet_ElementType	Specifies The Type of Set	Specifies the type of the set	#REF!	WeakReference	16 bytes	TypeDefinition	Leaf	W25.52

FIG.27

10/009152

27/1/39

543	05	04	02	01	17	00	00	TypeDefinitionString_ElementType	String Element	Specifies the underlying type of the string	#REF!	WeakReference	TypeDefinition	Leaf	W25.52
544	05	04	02	01	15	00	00	TypeDefinitionStream_ElementType	Stream Element	Specifies the underlying type of the stream	#REF!	WeakReference	TypeDefinition	Leaf	W25.52
545	05	04	02	01	19	00	00	RenameType	Rename	Specifies the underlying type	#REF!	WeakReference	TypeDefinition	Leaf	W25.52
545	05	04	02	02	03	00	00	SetOfweakReferences	Set of Weak Reference	Specifies the underlying type	#REF!	WeakReference	TypeDefinition	Leaf	W25.52
547	05	04	02	02	01	00	00	PluginDescriptor	Plugin Descriptor	Describes plugins available for this object	#REF!	WeakReference	TypeDefinition	Leaf	W25.52
548	05	04	02	02	02	00	00	ParametersDefined	Parameters	Specifies parameters that can be used with operation	#REF!	WeakReferenceSelfVA	PluginDescriptor	Leaf	W25.52
549	05	04	02	02	03	00	00	DataDefinitions	Data Definitions	Identifies basic essence type supported by code	#REF!	WeakReferenceSelfVA	ParameterDefinition	Leaf	W25.52
550	05	04	02	03	00	00	00	OrderedSetOfWeakReferences	Ordered Set of Weak References	Identifies operators that can be substituted for this object	#REF!	WeakReferenceSelfVA	DataDefinition	Leaf	W25.52
551	05	04	02	03	01	00	00	DegradeTo	Degradation of Properties	Identifies operators that can be substituted for this object	#REF!	WeakReferenceSelfVA	OperationDefinition	Leaf	W25.52
552	05	04	02	03	02	00	00	MemberTypes	Member Types	Specifies the types of the fields in the record	#REF!	WeakReferenceSelfVA	TypeDefinition	Leaf	W25.52
553	05	04	03	00	00	00	00	ClassRelations	Class Relations	#REF!	WeakReferenceSelfVA	TypeDefinition	Leaf	W25.52	
554	05	04	03	01	00	00	00	ParentClass	Parent Relations	#REF!	WeakReference	TypeDefinition	Node		
555	05	04	03	01	01	00	00	ParentClass	Identifies parent class	#REF!	WeakReference	TypeDefinition	Leaf	W25.52	
556	05	04	03	02	00	00	00	ChildClass	Parent Class	#REF!	WeakReference	TypeDefinition	Leaf	W25.52	
557	05	04	03	03	00	00	00	InstanceOfClass	Child Class	#REF!	WeakReference	TypeDefinition	Node		
558	05	04	03	01	00	00	00	ObjClass	Instance of Class	#REF!	WeakReference	TypeDefinition	Leaf	W25.52	
559	05	04	03	03	01	00	00	ClassOfTheObject	Class of The Object	Identifies the class of the object	#REF!	WeakReference	TypeDefinition	Leaf	W25.52
560	05	04	04	00	00	00	00	MetadataObjectDefinitions	Metadata Object Definitions	#REF!	WeakReference	TypeDefinition	Node		
560	05	04	04	01	00	00	00	ClassDefinition	Class Definition	#REF!	WeakReference	TypeDefinition	Node		

10/009152

28/39

Symbol	Label	Data Element Name	Japanese Names	Data Element Definition	Type	Value Length	Value Range	Node/Leaf	Defining Document
651	05	04 02 00 00 00	Property definition	Properties	#				
652	05	04 04 02 01 00	IsSearchable	Hints	#REF!	Boolean	1 byte	Leaf	W25.52
653	05	04 04 02 02 00	IsOptional	Optional or Mandatory	#REF!	Boolean	1 byte	Leaf	W25.52
654	05	04 04 02 03 00	DefaultValue	Default Condition	#REF!	Boolean	1 byte	Leaf	W25.52
655	05	04 04 02 04 00	LocalIdentification	Local ID	#REF!	DataValue	variable	Leaf	W25.52
656	05	04 04 03 00 00	Type definition	Type Definition	#REF!	Uhn32	4 bytes	Leaf	W25.52
657	05	04 04 01 00 00	Size	Specifies the number of bytes in the integer	#REF!	Uhn16		Leaf	W25.52
658	05	04 03 02 00 00	IsSigned	Specifies if the integer is signed	#REF!	Boolean		Leaf	W25.52
659	05	04 03 03 00 00	TypeDefinition_Enumeration_Elements	Element Name	#REF!	StringArray		Leaf	W25.52
660	05	04 04 04 00 00	TypeDefinition_Enumeration_Elements	Element Name	#REF!	StringArray		Leaf	W25.52
671	05	04 04 05 00 00	ElementCount	Number of Elements In The Array	#REF!	Array of Int64		Leaf	W25.52
672	05	04 04 05 00 00	MemberNames	Member Names	#REF!	StringArray		Leaf	W25.52
673	05	04 04 03 07 00 00	TypeDefinition_ExtensionEnum	Extension Name	#REF!	StringArray		Leaf	W25.52
674	05	04 04 03 08 00 00	TypeDefinition_ExtensionEnum	Extension Name	#REF!	AUDIArray		Leaf	W25.52
675	05	04 04 04 00 00 00	InstanceDescriptions	Instance Description	#REF!			Node	

FIG.28

10,009152

28/1/39

Provides information description									
676	06	04	04	01	00	00	00	00	Description
677	05	04	05	00	00	00	00	00	Container definitions
678	05	04	05	01	00	00	00	00	Essence identifier
679	05	04	05	00	00	00	00	00	Related code objects
680	05	04	05	01	00	00	00	00	Plugin code objects
681	05	04	05	01	00	00	00	00	Name
682	05	04	05	02	00	00	00	00	PluginDescriptor_Identifier
683	05	04	05	01	05	00	00	00	Description
684	05	04	05	01	04	00	00	00	VersionNumber
685	05	04	05	01	05	00	00	00	VersionString
686	05	04	05	01	05	00	00	00	Manufacturer
687	05	04	05	01	07	01	00	00	ManufacturerID
688	05	04	05	01	08	04	00	00	Platform
689	05	04	05	01	09	00	00	00	PlatformVersion
690	05	04	05	01	0A	00	00	00	Platform OS Version
691	05	04	05	01	06	05	00	00	Plugin Engine
692	05	04	05	01	0C	00	00	00	MinEngineVersion
693	05	04	05	01	0D	00	00	00	MaxEngineVersion

10,009152

29/39

SNMPE Label #	Data Element Name	Japanese Names	Data Element Definition	Type	Value Length	Value Range	Model/Leaf	Defining Document
631 05 04 01 05 00 00	PluginAPI	Plugin API	Specifies plugin API	#REF!	16bytes		Leaf	W25.52
635 06 04 05 01 05 00 00	MinPluginAPI	Minplugin API	Specifies minimum API version	#REF!	VersionType	2bytes	Leaf	W25.52
636 05 04 05 01 10 00 00	MaxPluginAPI	Maxplugin API	Specifies maximum API version	#REF!	VersionType	2bytes	Leaf	W25.52
637 05 04 05 01 11 00 00	SoftwareOnly	Software	Specifies plugin can function without specified hardware	#REF!	Boolean	1byte	Leaf	W25.52
638 05 04 05 01 12 00 00	Accelerator	Accelerator	Specifies plugin is optimized for specialized hardware	#REF!	Boolean	1byte	Leaf	W25.52
639 05 04 05 01 13 00 00	Authentication	Authentication	Specifies whether the plugin uses authentication	#REF!	Boolean	1byte	Leaf	W25.52
701 05 04 05 02 00 00 00	RelationsToApplicationCode	Relations To Application Code	Specifies the application code	#REF!	UnicodeString	variable	Leaf	W25.52
702 05 04 05 02 02 00 00	ProductName	Company Name	Specifies the name of company supplying the application	#REF!	UnicodeString	variable	Leaf	W25.52
703 05 04 05 02 03 00 00	ProductNumber	Product Name	Specifies the application name	#REF!	UnicodeString	variable	Leaf	W25.52
704 05 04 05 02 04 00 00	ProductVersion	Product Version	Specifies the application version	#REF!	ProductVersion	10bytes	Leaf	W25.52
705 05 04 05 02 05 00 00	ProductVersionString	Product Version String	Specifies a printable product version string	#REF!	UnicodeString	variable	Leaf	W25.52
706 05 04 05 02 06 00 00	ToolkitVersion	Toolkit Version	Specifies version number of toolkit	#REF!	ProductVersion	10bytes	Leaf	W25.52
707 05 04 05 02 07 00 00	Platform	Platform	Specifies hardware and OS platform application was on	#REF!	UnicodeString	variable	Leaf	W25.52
708 05 00 00 00 00 00	SPATIO-TEMPORAL	Class 7 Space and Time	Class 7 is reserved for information about space and time	#REF!			Node	

FIG.29

10,009152

29/1/39

Field ID	Field Name	Field Type	Description	Format	Length	Unit	Notes
03	00 00 00 00 00 00 00 00	Position and Space Vectors	Position and Space Vectors	Information about position in space and associated vectors (if any)	IEEEFI		
04	00 00 00 00 00 00 00 00	Image Coordinate System	Image Coordinate System	Indicates the georeferenced coordinate system for the image.	IEEEFI	ISO 7-bit char	4 chars max. See types dictionary
05	01 00 00 00 00 00 00 00	Map Datum Used	Map Datum Used	Identifies the map datum used to derive the coordinates (UTM or GEG).	IEEEFI	ISO 7-bit char	4 chars max. See types dictionary
06	01 02 03 00 00 00 00 00	Absolute Position	Absolute Position	Absolute position information	IEEEFI		
07	01 05 00 00 00 00 00 00	Local Datum Absolute Position	Local Reference Position	The absolute position of a local datum	IEEEFI		
08	01 05 00 00 00 00 00 00	Local Datum Absolute Position	Local Reference	The accuracy with which the measurement of absolute position of a local datum is made	IEEEFI	Floating Point	4 bytes
09	01 05 01 00 00 00 00 00	Local Datum Absolute Position	Positional Accuracy		IEEEFI		
10	01 05 02 00 00 00 00 00	Device Absolute Position	Device Absolute Position	The absolute position of the sensor-capturing device	IEEEFI		
11	01 05 02 01 00 00 00 00	Device Absolute Position	Device Absolute Positional Information	Accuracy of frame center coordinates as a Circular Error Probable (CEP) [50%]	IEEEFI	Floating Point	4 bytes
12	01 05 02 02 00 00 00 00	Device Altitude [m]	Device Altitude	Altitude of sensor as measured from Mean Sea level (MSL)	IEEEFI	Floating Point	4 bytes
13	01 05 02 03 00 00 00 00	Device Altitude [metres, concise]	Device Altitude	As above	IEEEFI	Binary	4 bytes
14	01 05 02 04 00 00 00 00	Device Latitude [degrees]	Device Latitude	Specifies a sensor's geographic location in degrees of latitude. Positive values indicate northern hemisphere, negative values indicate southern hemisphere.	IEEEFI	Floating Point	4 bytes
15	01 05 02 05 00 00 00 00	Device Latitude [degrees, concise]	Device Latitude	As above	IEEEFI	Binary	4 bytes
16	01 05 02 06 00 00 00 00	Device Longitude [degrees]	Device Longitude	Specifies a sensor's geographic location in degrees of longitude. Positive values indicate eastern hemisphere, negative values indicate western hemisphere.	IEEEFI	Floating Point	4 bytes
17	01 05 02 07 00 00 00 00	Device Longitude [degrees, concise]	Device Longitude	As above	IEEEFI	Binary	4 bytes
18	01 05 02 08 00 00 00 00	Device X Dimension [m]	Device X Dimension	Specifies the sensor location along the x-axis in Earth Centered, Earth Fixed (ECEF) Cartesian coordinates.	IEEEFI	Floating Point	4 bytes
19	01 05 02 09 00 00 00 00	Device Y Dimension [m]	Device Y Dimension	Specifies the sensor location along the y-axis in Earth Centered, Earth Fixed (ECEF) Cartesian	IEEEFI	Floating Point	4 bytes
20	01 05 03 00 00 00 00 00	Subject Absolute Position	Subject Absolute Position	The absolute position of the subject depicted in the essence	IEEEFI		
21	01 05 03 01 00 00 00 00	Frame Positional Accuracy [m]	Frame Positional Accuracy	Accuracy of frame center coordinates as a Circular Error Probable (CEP) [50%]	IEEEFI	Floating Point	4 bytes
22	01 05 03 02 00 00 00 00	Frame Positional Accuracy [m]	Frame Positional Accuracy	Accuracy of frame center coordinates as a Circular Error Probable (CEP) [50%]	IEEEFI	Floating Point	4 bytes

10,009152

30/39

SHMPELabel	Data Element Name	Japanese Names	Data Element Definition	Type	Length	Value Range	Node/Leaf	Defining Document
727 07 01 05 03 02 00 00	Frame Center Latitude (degrees)	Frame Center Latitude	Specifies the video frame center point geographic location in degrees of latitude. Positive values indicate eastern hemisphere; negative values indicate southern hemisphere.	SHMPEFI	Floating Point	4 bytes	Leaf	
728 07 01 05 03 03 00 00	Frame Center Latitude (degrees, concise)	Frame Center Latitude	As above	SHMPEFI	Binary	4 bytes	As per SHMPE 3314 (M4D)	Leaf
729 07 01 05 03 04 00 00	Frame Center Longitude (degrees)	Frame Center Longitude	Specifies the video frame center point geographic location in degrees of longitude. Positive values indicate eastern hemisphere; negative values indicate western hemisphere.	SHMPEFI	Floating Point	4 bytes	Leaf	
730 07 01 05 03 05 00 00	Frame Center Longitude (degrees, concise)	Frame Center Longitude	As above	SHMPEFI	Binary	4 bytes	As per SHMPE 3314 (M4D)	Leaf
731 07 01 05 03 06 00 00	Frame Center Lat/Long	Frame Center Lat/Long	Specifies a video frame center point geographic location Latitude and longitude.	SHMPEFI	ISO 7-bit char	14 bytes	Leaf	Format is defined by SHMPE 3314 (M4D) where 'dd' is degrees latitude, 'mm' is minutes and 'ss' is seconds.
732 07 01 05 00 00 00 00	Relative Position	Relative Position	Relative position information	SHMPEFI			Node	
733 07 01 05 01 00 00 00	Local Datum Relative Position	Local Datum Relative Position	The relative position of a local datum to another specified datum	SHMPEFI			Node	
734 07 01 05 01 01 00 00	Local Datum Relative Position	Local Datum Relative Position	The accuracy with which the measurement of relative position of the local datum is made	SHMPEFI	Floating Point	4 bytes	Leaf	
735 07 01 05 02 00 00 00	Device Relative Position	Device Relative Position	The absolute position of the essence capturing device	SHMPEFI			Node	
736 07 01 05 02 01 00 00	Device Relative Position	Device Relative Position	Accuracy of frame center coordinates	SHMPEFI	Floating Point	4 bytes	Leaf	
737 07 01 05 02 02 00 00	Device Relative Position X (metres)	Device Relative Position X	Defines the X translation position of the camera from a local datum. Positive position.	SHMPEFI	Floating Point	4 bytes	Leaf	
738 07 01 05 02 03 00 00	Device Relative Position Y (metres)	Device Relative Position Y	Positive values indicate translations in which the camera has physically moved from right to left relative to the local datum. Negative values indicate translations in which the camera has physically moved to a higher level.	SHMPEFI	Floating Point	4 bytes	Leaf	
739 07 01 05 02 04 00 00	Device Relative Position Z (metres)	Device Relative Position Z	Defined by the Z translation position of the camera from a local datum. Positive position.	SHMPEFI	Floating Point	4 bytes	Leaf	
740 07 01 05 03 00 00 00	Subject Relative Position	Subject Relative Position	The position of the subject depicted in the essence relative to another specified datum	SHMPEFI			Node	
741 07 01 05 03 01 00 00	Subject Relative Position	Subject Relative Position	The accuracy with which the measurement of relative position of the subject is made	SHMPEFI	Floating Point	4 bytes	Leaf	

FIG.30

10,009152

30/1/39

				Image Positional Information	Image Positional Information	Positional Information relating to a subset of the whole image	REFI				
742	07	01	07	00	00	00	00	00	00	00	00
743	07	01	07	01	00	00	00	00	00	00	00
				Position within viewed image x coordinate (pixels)	Position within viewed image x coordinate (pixels)	Position Offset X	REFI				
				Position within viewed image y coordinate (pixels)	Position within viewed image y coordinate (pixels)	Position Offset Y	REFI	Shift 6	2 bytes		Type Node
744	07	01	07	02	00	00	00	00	00	00	00
				Source image centre x coordinate (pixels)	Source image centre x coordinate (pixels)	Source Image Center X Coordinate (Pixel)	REFI	Shift 6	2 bytes		Type Node
745	07	01	07	03	00	00	00	00	00	00	00
				Source image centre y coordinate (pixels)	Source image centre y coordinate (pixels)	Source Image Center Y Coordinate (Pixel)	REFI	Shift 6	2 bytes		Type Node
746	07	01	07	04	00	00	00	00	00	00	00
				Source image centre x coordinate (pixels)	Source image centre y coordinate (pixels)	Viewport Image Center X Coordinate (Pixel)	REFI	Shift 6	2 bytes		Type Node
747	07	01	07	05	00	00	00	00	00	00	00
				Viewport image centre x coordinate (pixels)	Viewport image centre y coordinate (pixels)	Viewport Image Center Y Coordinate (Pixel)	REFI	Shift 6	2 bytes		Type Node
748	07	01	07	06	00	00	00	00	00	00	00
				Viewport image centre x coordinate (pixels)	Viewport image centre y coordinate (pixels)	Viewport Image Center X Coordinate (Pixel)	REFI	Shift 6	2 bytes		Type Node
749	07	01	10	00	00	00	00	00	00	00	00
				Rate and Direction of Positional Change	Rate and Direction of Positional Change	Rate and Direction of Positional Change	REFI	Shift 6	2 bytes		Type Node
750	07	01	10	01	00	00	00	00	00	00	00
				Device Rate and Direction of Positional Change	Device Rate and Direction of Positional Change	Device Rate and Direction of Positional Change	REFI	Shift 6	2 bytes		Type Node
751	07	01	10	01	01	00	00	00	00	00	00
				Absolute Device Rate and Direction of Positional Change	Absolute Device Rate and Direction of Positional Change	Absolute Device Rate and Direction of Positional Change	REFI	Shift 6	2 bytes		Type Node
752	07	01	10	01	01	00	00	00	00	00	00
				Device Absolute Speed	Device Absolute Speed	Device Absolute Speed	REFI	Shift 6	2 bytes		Type Node
753	07	01	10	01	01	00	00	00	00	00	00
				Device Absolute Heading (degrees)	Device Absolute Heading (degrees)	Device Absolute Heading	REFI	Shift 6	2 bytes		Type Node
754	07	01	10	01	02	00	00	00	00	00	00
				Relative Device Rate and Direction of Positional Change	Relative Device Rate and Direction of Positional Change	Relative Device Rate and Direction of Positional Change	REFI	Shift 6	2 bytes		Type Node
755	07	01	10	01	02	01	00	00	00	00	00
				Device Relative Speed	Device Relative Speed	Device Relative Speed	REFI	Shift 6	2 bytes		Type Node
756	07	01	10	01	02	00	00	00	00	00	00
				Device Relative Heading (degrees)	Device Relative Heading (degrees)	Device Relative Heading	REFI	Shift 6	2 bytes		Type Node
757	07	01	10	02	00	00	00	00	00	00	00
				Subject Rate and Direction of Positional Change	Subject Rate and Direction of Positional Change	Subject Rate and Direction of Positional Change	REFI	Shift 6	2 bytes		Type Node
758	07	01	10	02	01	00	00	00	00	00	00
				Absolute Subject Rate and Direction of Positional Change	Absolute Subject Rate and Direction of Positional Change	Absolute Subject Rate and Direction of Positional Change	REFI	Shift 6	2 bytes		Type Node
759	07	01	10	02	01	01	00	00	00	00	00
				Subject Absolute Speed	Subject Absolute Speed	Subject Absolute Speed	REFI	Shift 6	2 bytes		Type Node

10,009152

31/39

SN/PELabel	Data Element Name	Japanese Names	Data Element Definition	Type	Value	Value Range	Node/Leaf	Defining Document
760_07	Subject Absolute Heading (degrees)	Subject Absolute Heading	Defined by the absolute heading of the subject	#REF!	Floating Point	4 bytes	Type Node	
761_07	Relative Subject Rate and Direction of Positional Change	Relative Subject Rate and Direction of Positional Change	Relative information about rate and direction of positional change of the subject depicted in the captured essence	#REF!	Floating Point	4 bytes	Node	
762_07	Subject Relative Speed	Subject Relative Speed	Defined by the relative velocity of the subject along the heading	#REF!	Floating Point	4 bytes	Type Node	
763_07	Subject Relative Heading (degrees)	Subject Relative Heading	Defined by the relative heading of the subject	#REF!	Floating Point	4 bytes	Type Node	
764_07	Angular Specifications	Angular Specifications	Information regarding angles related to positioning information	#REF!	Floating Point	4 bytes	Type Node	
765_07	Device angles	Device Angles	Device information regarding angles related to positioning information	#REF!	Floating Point	4 bytes	Node	
766_07	Sensor Roll Angle	Sensor Roll Angle	Specifies the roll angle of the sensor. Expresses in degrees.	#REF!	Floating Point	4 bytes	Leaf	
767_07	Angle To North	Angle To North	Angle in degrees from the flow of the image to true north.	#REF!	Floating Point	4 bytes	Leaf	
768_07	Obliquity Angle	Obliquity Angle	Obliquity angle of image expressed in degrees. The inverse of sensor depression angle.	#REF!	Floating Point	4 bytes	Leaf	
769_07	Subject Angles	Subject Angles	Angles relating to the subject depicted in the captured essence	#REF!	Floating Point	4 bytes	Leaf	
770_07	Distance Measurements	Distance Measurements	Length measurements relating to distance	#REF!			Node	
771_07	Device To Subject Distance From Device	Device To Subject Distance From device	Length measurements relating to distance between capturing device and the subject depicted in the captured essence	#REF!			Node	
772_07	Angle To Subject	Angle To Subject	Distance from the sensor to the center point on ground of the named subject (image) depicted in the captured essence.	#REF!	Floating Point	4 bytes	Type Node	
773_07	Dimensions	Distance	Length measurements relating to size	#REF!			Node	
774_07	Subject Dimensions	Subject Distance	Length measurements relating to the size of the subject depicted in the captured essence	#REF!			Node	

FIG.31

10,009152

31/1/39

775	17	01	17	01	00	00	00	Target Width	Target Width	Horizontal half width of the target frame, used to compute the four corner points of the frame.	#REF!	floating point	4 bytes		Type Node
776	07	01	17	02	00	00	00	Source and Location Dimensions	Essence Position	Length measurement relating to the size of the location in which the essence was captured	#REF!				Type Node
777	07	01	17	10	03	00	00	Media Dimensions	Media Dimensions	Length measurement relating to the size of the medium on which the essence was captured	#REF!				Type Node
778	07	01	17	10	01	00	00	Physical Media Length [metres]	Physical Media Length	The physical length of the medium on which the essence was captured	#REF!	UNISBF	4 bytes		Type Node
779	07	01	17	11	00	00	00	Image Dimensions	Image Dimensions	Length measurements relating to the physical size of the image formed in a capturing device	#REF!				Type Node
780	07	01	17	11	01	00	00	Pan and scan image dimensions	Pan and Scan Image Dimensions	Length measurements relating to pan and scan subsetting of a captured image	#REF!				Type Node
781	07	01	17	11	01	01	00	Viewport height	Viewport Height	The height of the viewed area within a captured image	#REF!	Unit 6	2 bytes		Type Node
782	07	01	17	11	01	02	00	Viewport width	Viewport Width	The width of the viewed area within a captured image	#REF!	Unit 6	2 bytes		Type Node
783	07	01	20	00	00	00	00	Abstract Locations	Abstract Locations	Abstract information about position	#REF!				Type Node
784	07	01	20	01	00	00	00	Place names	Place Names	Place information	#REF!				Type Node
785	07	01	20	01	01	00	00	Gazetteer used	Gazetteer Used	Reference to a formally registered gazetteer or a similar authoritative source of place keywords.	#REF!	ISO 7-bit char string	4 chars max	See types dictionary	Type Node
785	07	01	20	01	02	00	00	Place Keyword	Place Keyword	The geographic name(s) or location(s) covered by a data set.	#REF!	ISO 7-bit char string	32 bytes max	See types dictionary	Type Node
787	07	01	20	01	03	00	00	Country Codes	Country Code	Country code information	#REF!				Type Node
788	07	01	20	01	03	01	00	Object Country Code	Country Code of Describing	The code that represents the country depicted in the essence.	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Type Node
789	07	01	20	01	03	02	00	Country code of school	Country Code of School	Country where shooting took place	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Type Node
790	07	01	20	01	03	03	00	Country code of Setting (Characterised Place)	Country Code of Setting	The country code of the country where the depicted action is set in the production	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Type Node
791	07	01	20	01	03	03	00	Country code of Copyright License	Country Code of Copyright License	The country code of a country where a copyright is licensed	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Type Node
792	07	01	20	01	03	05	00	Country code of IP License	Country Code of IP License	The country code of a country where IP rights are licensed	#REF!	ISO 7-bit char	4 chars max	See types dictionary	Type Node

10,009152

32/39

Line No	SMPIE Label	Data Element Name	Japanese Name	Data Element Definition	Line No	Type	Value Length	Value Range	Node/Leaf	Defining Document
793	07	20 01 04 00 00 Regions	Regions Within A Country	Information about Regions within a country	4861				Node	
794	07	20 01 01 00 00 Region of Object	Region Where Object Is Depicted	Region in a country where object is depicted	4861	ISO 7-bit char string	32 bytes max		Leaf	
795	07	20 01 04 02 00 Region of Shoot	Region Where Shooting Took Place	Region within a country where shooting took place	4861	ISO 7-bit char string	32 bytes max		Leaf	
796	07	20 01 04 03 00 Region of Setting (Characterised Place)	Region Where The Depicted Action Is Set In The Position	The region of the country where the depicted action is set in the production	4861	ISO 7-bit char string	32 bytes max		Leaf	
797	07	20 01 04 04 00 Region or area of Copyright	Region Where Copyright Is Licensed	The region of a country where copyright is licensed	4861	ISO 7-bit char string	32 bytes max		Leaf	
798	07	20 01 04 05 00 Region or area of IP License	Region Where IP Rights Are Licensed	The region of a country where IP rights are licensed	4861	ISO 7-bit char string	32 bytes max		Leaf	
799	07	20 01 05 00 00 Postal Address	Postal Address	Information about Postal Addresses	4861				Node	
800	07	20 01 05 01 00 Room Number	Room Number	The room number of an address	4861	ISO 7-bit char string	32 bytes max		Leaf	
801	07	20 01 05 02 00 Street Number or Building Name	Street Number of Building Name	An address line for the address.	4861	ISO 7-bit char string	32 bytes max		Leaf	
802	07	20 01 05 03 00 Street	Street	An address line for the address.	4861	ISO 7-bit char string	32 bytes max		Leaf	
803	07	20 01 05 04 00 Postal Town	Postal Town	An address line for the address.	4861	ISO 7-bit char string	32 bytes max		Leaf	
804	07	20 01 05 05 00 City	City	The city of the address.	4861	ISO 7-bit char string	32 bytes max		Leaf	
805	07	20 01 05 06 00 State or Province or County	State or Province	The state, province or county of the address.	4861	ISO 7-bit char string	32 bytes max		Leaf	
806	07	20 01 05 07 00 Postal Code	Postal Code	The ZIP or other postal code of the address.	4861	ISO 7-bit char string	32 bytes max		Leaf	
807	07	20 01 05 08 00 Country	Country	The country of the address.	4861	ISO 7-bit char string	32 bytes max		Leaf	

FIG.32

10,009152

32/1/39

333	17	01	20	01	05	00	00	Setting Address (Characterised Place)	Postal Addresses Depicted in The Setting of a Production	Information about postal addresses depicted in the setting of a production	REF				Note
333	17	01	20	01	05	01	00	Setting room number	Setting Room Number	The room number of a depicted address	REF	ISO 7-bitchar string	32 bytes max		
310	17	01	20	01	05	02	00	Setting Street Number or Building Name	Setting Street Number or Building Name	An address line for the depicted address	REF	ISO 7-bitchar string	32 bytes max		Leaf
311	17	01	20	01	05	03	00	Setting Street	Setting Street	An address line for the depicted address	REF	ISO 7-bitchar string	32 bytes max		Leaf
312	17	01	20	01	05	04	00	Setting Town	Setting Town	An address line for the depicted address	REF	ISO 7-bitchar string	32 bytes max		Leaf
313	17	01	20	01	05	05	00	Setting City	Setting City	The city of the depicted address.	REF	ISO 7-bitchar string	32 bytes max		Leaf
314	07	01	20	01	05	06	00	Setting State or Province	Setting State or Province	The state, province or county of the depicted address.	REF	ISO 7-bitchar string	32 bytes max		Leaf
315	07	01	20	01	05	07	00	Setting Postal Code	Setting Postal Code	The ZIP or other postal code of the depicted address.	REF	ISO 7-bitchar string	32 bytes max		Leaf
316	07	01	20	01	05	08	00	Setting Country	Setting Country	The country of the depicted address.	REF	ISO 7-bitchar string	32 bytes max		Leaf
317	07	01	20	01	05	09	00	Setting Description	Setting Description	eg. 'A dwelling in a wood' or 'Folkestone Ring road'	REF				Type Note
318	07	01	20	01	05	09	01	Setting Description	Setting Description	eg. 'A dwelling in a wood' or 'Folkestone Ring road'	REF	ISO 7-bitchar string	127 bytes max		Leaf
319	07	01	20	01	10	00	00	Electronic Address	Electronic Address	Information about electronic addresses	REF				Note
320	07	01	20	01	10	01	00	Telephone number	Telephone Number	Telephone number	REF	ISO 7-bitchar string	32 bytes max		Leaf
321	07	01	20	01	10	02	00	Fax number	Fax Number	Fax number	REF	ISO 7-bitchar string	32 bytes max		Leaf
322	07	01	20	01	10	03	00	E-mail address	E-Mail Address	E-mail address	REF	ISO 7-bitchar string	32 bytes max		Leaf
323												REF			
324	07	02	00	00	00	00	00	Date and Time	Date and Time	Information about dates and times	REF				Note
325	07	02	01	00	00	00	00	Material Date and Time	Material Date and Time	Information about dates and times relating to captured material	REF				Note

10,009152

33/39

33/39	SCMPTE label	Data Element Name	Japanese Names	Data Element Definition	Type	Value Length	Value Range	Node/Leaf	Defining Document
335	07	02 01 00 00 00 00	Operational Date-Time Stamps	Operational Date-Time	Operational date and time information (e.g. timecode)	#REF!			
337	07	02 01 01 00 00 00	Creation Date-Time stamp	Creation Date-Time	Time stamp for original material	#REF!		Type Leaf	
338	07	02 01 01 01 00 00	Creation Date-Time stamp	Creation Date-Time	Time stamp for original material	#REF! ULSBF	8 bytes		
339	07	02 01 02 00 00 00	Last modified Date-Time stamp	Last Modified Date-Time	Time stamp for last modification of material	#REF!		Type Leaf	
340	07	02 01 01 02 00 00	Last modified Date-Time stamp	Last Modified Date-Time	Time stamp for last modification of material	#REF! ULSBF	8 bytes		
341	07	02 01 03 00 00 00	User defined Date-Time stamp	User Defined Date-Time	Time stamp application defined by user application	#REF!		Type Leaf	
342	07	02 01 03 01 00 00	User defined Date-Time stamp	User Defined Date-Time	Time stamp application defined by user application	#REF! ULSBF	8 bytes		
343	07	02 01 02 00 00 00	Absolute Date and Time	Absolute Date and Time	Absolute date and time information	#REF!		Type Leaf	
344	07	02 01 02 01 00 00	Start Date Time	Production Start Date Time	Absolute time at start of creating the shot or clip.	#REF! ULSBF	8 bytes		
345	07	02 01 02 02 00 00	End Date Time	Production End Date Time	Absolute time at end of creating the shot or clip.	#REF! ULSBF	8 bytes		
346	07	02 01 02 03 00 00	Segment Start Date and Time	Segment Start Date and Time	Absolute time at the start of a segment within a shot or clip.	#REF! ULSBF	8 bytes		
347	07	02 01 02 04 00 00	Segment End Date and Time	Segment End Date and Time	Absolute time at the end of a segment within a shot or clip	#REF! ULSBF	8 bytes		
348	07	02 01 03 00 00 00	Relative Date and Time	Relative Date and Time	Relative date and time information	#REF!			
349	07	02 01 03 01 00 00	Start Date Time	Media Start Date Time	Media time at start of shot or clip.	#REF! ULSBF	8 bytes		
350	07	02 01 03 02 00 00	End Date Time	Media End Date Time	Media time at end of shot or clip.	#REF! ULSBF	8 bytes		

FIG.33

10/009152

33/1/39

61	17	02	01	03	03	00	00	Segment Start Date and Time	Segment Start Date and Time	Media time at the start of a segment within a shot of clip	REF	U1LSBF	8 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
62	17	02	01	03	04	00	00	Segment End Date and Time	Segment End Date and Time	Media time at the end of a segment within a shot of clip	REF	U1LSBF	8 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
63	17	02	02	00	00	00	00	Material Durations	Time Durations	Information about time durations relating to captured material	REF	U1LSBF	8 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
64	17	02	02	01	00	00	00	Absolute Durations	Absolute Time Durations	Absolute time durations information	REF	U1LSBF	8 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
65	17	02	02	01	00	00	00	Time Duration	Time Duration	Length of the content in Time units.	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
66	17	02	02	01	02	00	00	Segment Duration	Segment Duration	Duration of a segment within a shot or clip in Time units	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
67	17	02	02	01	03	00	00	Frame Count	Frame Count	Length of the content in film frames.	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
68	17	02	02	01	04	00	00	Segment frame count	Segment Frame Count	Duration of a segment within a shot or clip in film frames	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
69	17	02	02	01	05	00	00	Textless Black Duration	Textless Black Duration	eg. 1 minutes after end of programme	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
70	17	02	02	02	00	00	00	Relative Durations	Relative Durations	Relative time duration information	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
71	17	02	02	02	01	00	00	Time Duration	Time Duration	Relative length of the content in Time units.	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
72	17	02	02	02	02	00	00	Segment Duration	Segment Duration	Duration of a segment within a shot or clip in Time units	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
73	17	02	02	02	03	00	00	Frame Count	Frame Interval	Length of the content in film frames.	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
74	17	02	02	02	04	00	00	Segment frame count	Segment Frame Interval	Duration of a segment within a shot or clip in film frames	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
75	17	02	03	00	00	00	00	Rights Date and Time	Rights Date and Time	Dates and Times relating to Copyright and Intellectual Property Rights	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
76	17	02	03	01	00	00	00	Copyright Date and Time	Copyright Date and Time	Dates and Times relating to Copyright	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
77	17	02	03	02	00	00	00	IP Rights Date and Times	IP Rights Date and Time	Dates and Times relating to Intellectual Property Rights	REF	U1LSBF	4 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf
78	17	02	03	02	01	00	00	License Start Date and Time	License Start Date and Time	License start date and time	REF	U1LSBF	8 bytes	Elsewise mapping of 64-bit binary code into 8 bytes, lsb first	Leaf

10,009152

34/39

ScriptLabel #	Data Element Name	Japanese Names	Data Element Definition	Type	Value Length	Value Range	Node/Leaf	Defining Document
850 07 02 03 02 01 00 00 00	Option start date and time	Option Start Date and Time	Option start date and time	REF U1SSEF	8bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
850 07 02 03 02 02 00 00 00	License end date and time	License End Date and Time	License end date and time	REF U1SSEF	8bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
851 07 02 03 02 00 00 00 00	Option end date and time	Option End Date and Time	Option end date and time	REF U1SSEF	8bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
852 07 02 04 00 00 00 00 00	Rights Durations	Rights Durations	Information about the duration of a copyright or intellectual Property license	REF			Node	
853 07 02 04 01 00 00 00 00	Copyright Durations	Copyright Durations	Information about the duration of a copyright license	REF			Node	
854 07 02 04 02 00 00 00 00	IP Rights Durations	IP Rights Durations	Information about the duration of an intellectual Property license	REF			Node	
855 07 02 04 02 01 00 00 00	License duration	Lisence Duration	Information about the duration of a license	REF U1SSEF	8bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
856 07 02 04 02 00 00 00 00	Option duration	Option Duration	Information about the duration of a license	REF U1SSEF	8bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
857 07 02 05 03 00 00 00 00	Cataloguing Date and Time	Cataloguing Date and Time	Information about cataloguing and indexing	REF			Node	
858 07 02 05 01 00 00 00 00	Creation Date and Time	Creation Date and Time	The creation date and time of the data set	REF U1SSEF	8bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
859 07 02 05 02 00 00 00 00	Last Modified	Last Modified Date	Date and time of last modification	REF U1SSEF	8bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	
870 07 02 05 00 00 00 00 00	Event Date and time	Event Date and Time	Date and Time information relating to events	REF			Node	
871 07 02 06 01 00 00 00 00	Absolute Date and Time	Absolute Event Date and Time	Absolute Date and Time information relating to events	REF			Node	
872 07 02 06 01 01 00 00 00	Absolute start times	Absolute Event Start Times	Absolute Date and Time information relating to the start of events	REF			Node	
873 07 02 06 01 01 00 00 00	Project Mission Start Date and Time	Project Start Date and Time	The absolute beginning date and time of the project or mission	REF U1SSEF	8bytes	Bitwise mapping of 64-bit timecode into 8 bytes, lsb first	Leaf	

FIG.34

10,009152

34/1/39

874	17	02	06	01	01	02	00	Scene Start Date and Time	Scene Start Date and Time	The absolute beginning date and time of the scene, or shot.	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
875	07	02	06	01	03	00	00	Shot Start Date and Time	Shot Start Date and Time	The absolute beginning date and time of the shot.	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
876	07	02	06	01	10	00	00	Broadcast Start Date and Time	Broadcast Start Date and Time	Absolute start date and time of a specific broadcast.	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
877	07	02	06	01	02	00	00	Absolute End Times	Absolute End Times	Absolute Date and Time information relating to the end of events	REFI	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
878	07	02	06	01	02	01	00	Project Mission End Date and Time	Project End Date and Time	The absolute ending date and time of the project or mission	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
879	07	02	06	01	02	00	00	Scene End Date and Time	Scene End Date and Time	The absolute ending date and time of the scene, or shot.	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
880	07	02	06	01	02	03	00	Shot End Date and Time	Shot End Date and Time	The absolute ending date and time of the shot.	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
881	07	02	06	01	02	10	00	Broadcast End Date and Time	Broadcast End Date and Time	Absolute end date and time of a specific broadcast	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
882	07	02	06	02	00	00	00	Relative Date and Time	Relative Date and Time	Relative Date and Time information relating to events eg Two days and five hours after...	REFI	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
883	07	02	06	02	01	00	00	Relative start times	Relative Event Start Times	Relative Date and Time information relating to the start of events	REFI	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
884	07	02	06	02	01	01	00	Project Mission Start Date and Time	Project Mission Start Date and Time	The relative beginning date and time of the project or mission	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
885	07	02	06	02	01	02	00	Scene Start Date and Time	Scene Start Date and Time	The relative beginning date and time of the scene, or shot	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
886	07	02	06	02	01	03	00	Shot Start Date and Time	Shot Start Date and Time	The relative beginning date and time of the shot.	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
887	07	02	06	02	01	10	00	Broadcast Start Date and Time	Broadcast Start Date and Time	Relative start time of a specific broadcast within a parent programme	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
888	07	02	06	02	02	00	00	Relative End Times	Relative End Times	Relative Date and Time information relating to the end of events	REFI	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
889	07	02	06	02	02	01	00	Project Mission End Date and Time	Project End Date and Time	The relative ending date and time of the project or mission	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
890	07	02	06	02	02	02	00	Scene End Date and Time	Scene End Date and Time	The relative ending date and time of the scene, or shot.	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf
891	07	02	06	02	02	03	00	Shot End Date and Time	Shot End Date and Time	The relative ending date and time of the shot.	REFI ULSBF	8 bytes	Otherwise mapping of 64-bit timestamp into 8 bytes, lsb first	Leaf

10,009152

35/39

Line No.	SNIFTE Label	Data Element Name	Japanese Names	Data Element Definition	Line No.	Type	Value Length	Value Range	Node/Leaf	Defining Document
832	07 02 05 02 02 10 00 00	Broadcast End Time	Relative Broadcast End Time	Absolute endtime of a specific broadcast within a parent programme	833	REF	UISSBF	8bytes	Binary mapping of 64-bit timestamp into 8 bytes, 1st first	Leaf
833	07 02 07 00 00 00 00 00	Event Durations	Event Durations	Duration information relating to events	834	REF			Node	
834	07 02 07 01 00 00 00 00	Absolute Durations	Absolute Durations	Absolute duration in time units	835	REF			Node	
835	07 02 07 01 00 00 00 00	Time Duration	Time Duration	The absolute duration of an event	836	REF	UISSBF	8bytes	Binary mapping of 64-bit timestamp into 8 bytes, 1st first	Leaf
836	07 02 07 02 00 00 00 00	Relative Durations	Relative Durations	Relative duration in time units	837	REF			Node	
837	07 02 07 02 01 00 00 00	Time Duration	Time Duration	The relative duration of an event	838	REF	UISSBF	8bytes	Binary mapping of 64-bit timestamp into 8 bytes, 1st first	Leaf
838	07 02 08 03 00 00 00 00	Editing Date and Time	Editing Date and Time	Editing Date and Time	839	REF			Node	
839	07 02 08 01 00 00 00 00	Length	Edit Length	Duration in edit units of essence	840	REF	Length	8bytes	Leaf	W25.52
840	07 02 08 02 00 00 00 00	Position	Edit Position	Specifies time event status	841	REF	Position	8bytes	Leaf	W25.52
841	07 02 08 03 00 00 00 00	StartTime	StartTime	Specifies relative start time	842	REF	Position	8bytes	Leaf	W25.52
842	07 02 08 04 00 00 00 00	Fadein Length	Fadein Length	Specifies length of audio fade in	843	REF	Length	8bytes	Leaf	W25.52
843	07 02 08 05 00 00 00 00	Fadeout Length	Fadeout Length	Specifies length of audio fade out	844	REF	Length	8bytes	Leaf	W25.52
844	07 02 08 06 00 00 00 00	Cut Point	Cut Point Standard	Specifies the cutpoint	845	REF	Position	8bytes	Leaf	W25.52
845	07 02 08 07 00 00 00 00	Time	Time Standard	Specifies time	846	REF	Position	8bytes	Leaf	W25.52
846	07 02 08 08 00 00 00 00	Last Modified	Last Edit Date	Specifies the date the container was last modified	847	REF	TimeStamp		Leaf	W25.52

FIG.35

10,009152

35/1/39

9007	07	02	05	09	00	00	00	Last Modified	ID of Last Edit Result	Identifies the node that was last modified	REF	TimeStamp				Leaf	W25.52
9008	07	02	08	04	00	00	00	Creation Time	Date and Time of Last Production	Identifies the node that was created	REF	TimeStamp				Leaf	W25.52
9009	07	02	08	03	00	00	00	Default Node Length	Speech Soft Cut Default Standard	Specifies the default length of audio node cuts	REF	Length	8 bytes			Leaf	W25.52
9010	07	02	08	05	00	00	00	Default Edit Unit	Fadein Default Standard	Specifies time units for Defaultfadein length	REF	Ratio/val	8 bytes			Leaf	W25.52
9011	07	02	08	01	00	00	00	Event Message Edit Rate	Event Time Unit Standard	Specifies the time units for the slot	REF	Ratio/val	8 bytes			Leaf	W25.52
9012	07	02	08	05	00	00	00	Time Message Edit Rate	Slot Time Unit Standard	Specifies the time units for the slot	REF	Ratio/val	8 bytes			Leaf	W25.52
9013	07	02	03	05	00	00	00	Identifier Date	Last Modified Date	Specifies the date the container was modified by application	REF	TimeStamp				Leaf	W25.52
9014	07	02	08	10	00	00	00	Origin	Starting Offset for The Slot	Specifies the starting offset for the slot	REF	Position	8 bytes			Leaf	W25.52
9015	07	02	10	00	00	00	00	Process Date and Time	Date and Time of Process	Date and Time information relating to Process	REF					Node	
9016	07	02	10	01	00	00	00	Technical Modification date and time	Date and Time of Technical Modification	The date and time of a purely technical modification, not affecting editorial material	REF	ULSFF	8 bytes			Node	
9017	07	02	10	02	00	00	00	Editorial Modification date and time	Date and Time of an Editorial Modification	The date and time of an editorial modification	REF	ULSFF	8 bytes			Node	
9018	07	02	10	03	00	00	00	Broadcast Date and Time	Date and Time of a Broadcast	The date and time of a Broadcast	REF	ULSFF	8 bytes			Node	
9019	07	02	10	04	00	00	00	Cancellation Date and Time	Editorial allow/et time for destruction of a specific recording/physical copy	Editorial allow/et time for destruction of a specific recording/physical copy	REF	ULSFF	8 bytes			Node	
9020	07	02	20	00	00	00	00	Setting Date and Time (Characterised Time Period)	Setting Date and Time	Time period(s) characterised by the data set	REF					Node	
9021	07	02	20	01	00	00	00	Time period Keyword Thesaurus	Keyword Validity	Reference to a formally registered thesaurus or a similar authoritative source of terms	ISO 7-bit char string	32 bytes max				Leaf	
9022	07	02	20	02	00	00	00	Time period Keyword	Time Period Keyword	The name of a time period covered by a data set. Eg Creoleaus	ISO 7-bit char string	32 bytes max				Leaf	
9023	07	03	00	00	00	00	00	Delay	Delay	Information about Delay durations	REF				Node		
9024	07	03	01	00	00	00	00	Encoding/Decoding Information	Encoding/Decoding Information	Information about delay durations in encoding or decoding processes	REF				Node		

10,009152

36/39

Element Label	Element Name	Japanese Name	Data Element Definition	Type	Value Length	Value Range	Node/Leaf	Defining Document
925.07	01 01 00 00 00 00 00	Encoding Delay	Encoding Delay Time	Information about delay durations in encoding processes	:REF		Node	
925.07	03 01 02 00 00 00 00	Decoding Delay	Decoding Delay Time	Information about delay durations in decoding processes	:REF		Node	
927.07	03 01 02 00 00 00 00	Buffer Delay	Buffer Delay Time	Buffer delay per definition in SDH/TCP (ETM)	:REF as per standard		Leaf	
928.07	04 00 00 00 00 00 00	Latency	Latency Information	Information about response times	:REF		Node	
929.07	05 00 00 00 00 00 00	Temporal shape (Shuttering etc)	Information About [PLACEHOLDER]	Information about temporal characteristics of processes	:REF		Node	
930.07	05 01 00 00 00 00 00	Shutter characteristics	Shutter Characteristics	Shutter characteristics	:REF		Node	
931.07	05 02 00 00 00 00 00	Shutter speed [placeholder]	Shutter Speed	Shutter speed	:REF		Node	
932.07	05 03 00 00 00 00 00	Shutter Gating [placeholder]	Shutter Gating Characteristics	Shutter Gating characteristics	:REF		Node	
933.0E	00 00 00 00 00 00 00	USER ORGANISATION REGISTERED	Class 14 User Data	Class 15 is reserved for user organisation registered metadata	:REF		Node	
934.0E	01 00 00 00 00 00 00	Publicly registered user organisation metadata	Co-Used Registered Metadata		:REF		Node	
935.0E	02 00 00 00 00 00 00	Privately registered user organisation metadata	Private Metadata		:REF		Node	
935.0E	02 01 00 00 00 00 00	DOD Metadata	Metadata for U.S. Department of Defense Agencies	Metadata for U.S. Department of Defense agencies	:REF		Node	
937.0E	02 00 00 00 00 00 00	UAV Metadata	UAV Metadata	UAV Metadata	:REF		Node	
938.0E	02 03 00 00 00 00 00	RQIA Metadata	RQIA Metadata	RQIA Metadata	:REF		Node	
939.0E	02 03 01 00 00 00 00	RQIA Closed Caption Set	RQIA Metadata From RQIA Closed Caption	RQIA Metadata Set containing metadata information from analog closed caption	:REF		Node	
940.0F	00 00 00 00 00 00 00	EXPERIMENTAL METADATA	Class 15 Experimental Metadata	Class 15 Metadata is for experimental metadata. Users may create their own structures consistent with the metadata Encoding standard	:REF		Node	

FIG.36

10/009152

37/39

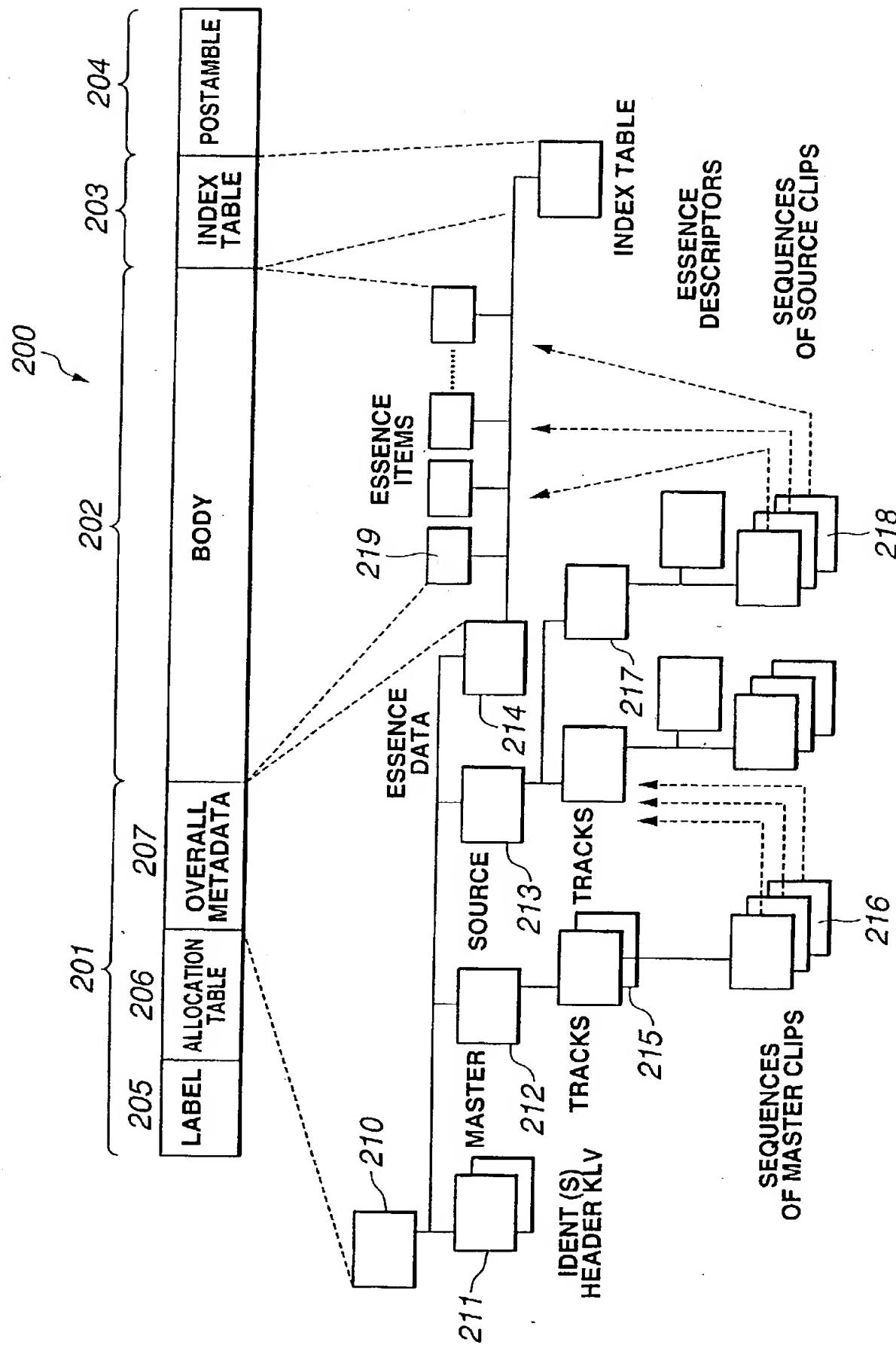


FIG.37

10/009152

38/39

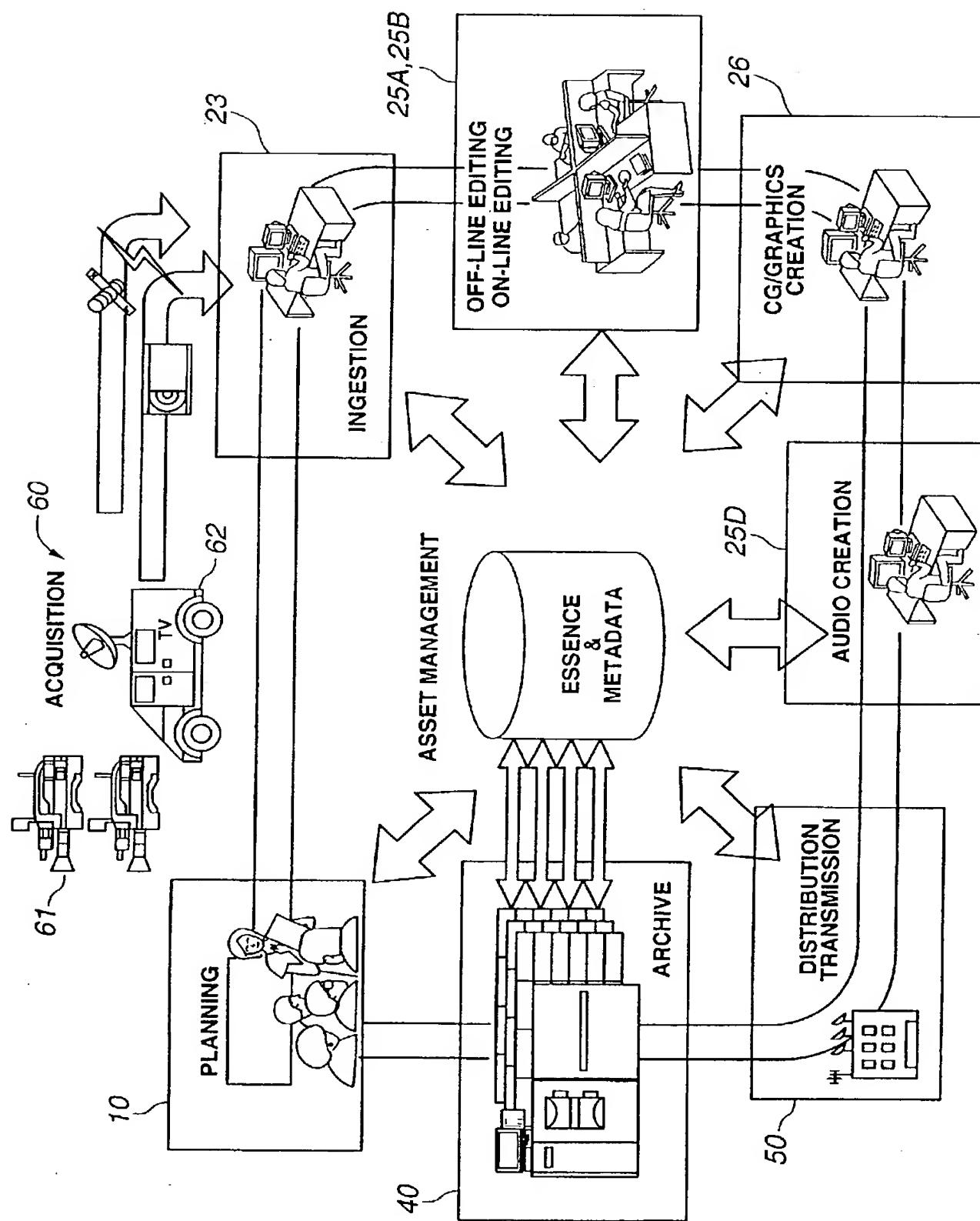


FIG.38

10/009152

39/39

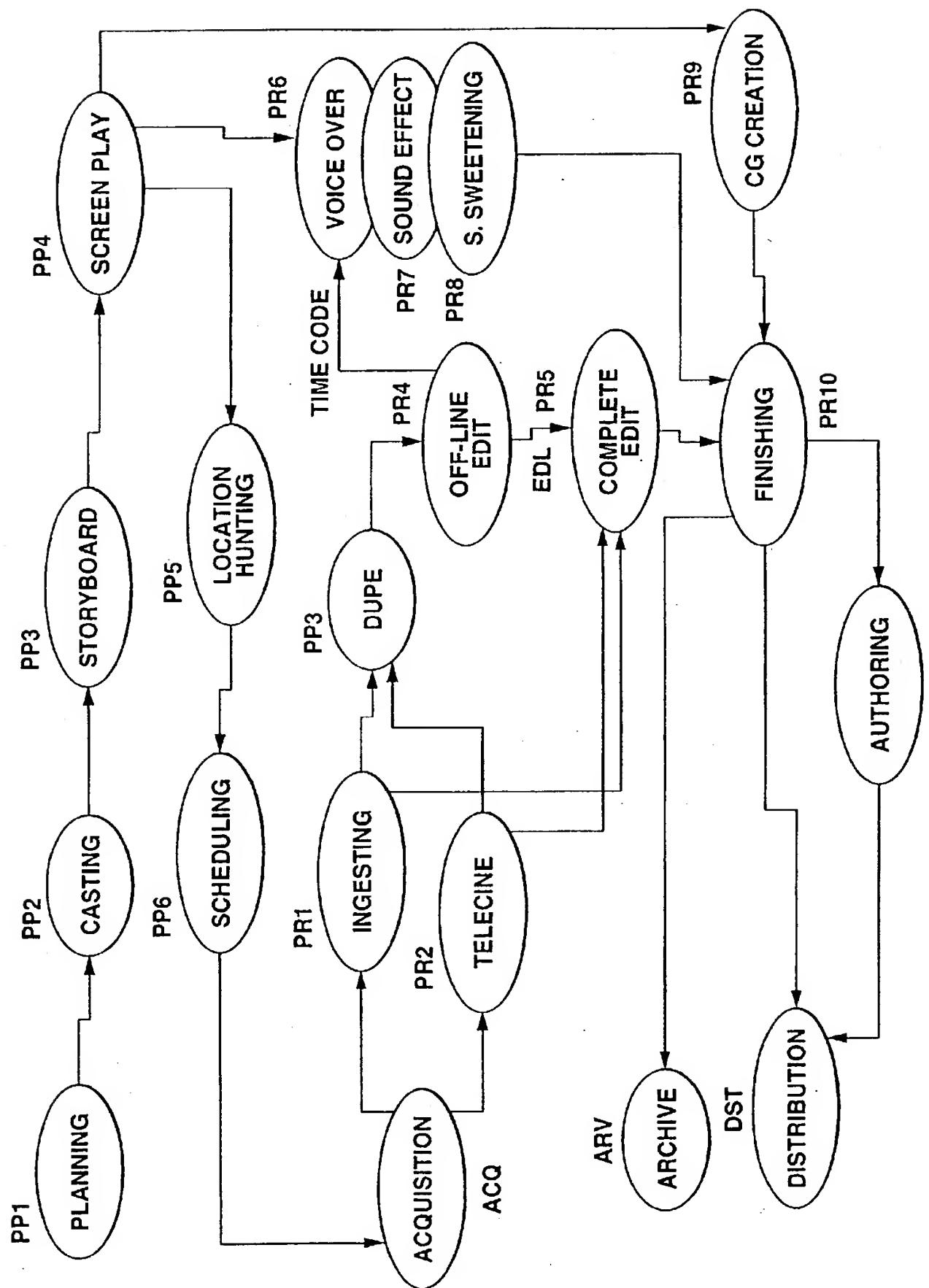


FIG.39